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FRANK
HOWARD

SEEDS
AND
IMPLEMENT

1917

FENN, FIRST &
FEDERAL STS.

• PITTSFIELD, MASS. •





BOUT the time this Catalog is issued from the press we will be located in our new store in "The Howard," corner of Fenn, First and Federal Streets, near the Post Office, where we will be much better equipped to care for our large and growing trade.

¶ We will occupy the whole of the third floor of the block, 140 feet x 75 feet, as well as a room on the second floor 100 feet x 40 feet, the basement, 140 feet x 30 feet and our store 140 feet x 30 feet with entrances on both Fenn and Federal Streets.

¶ We have tried to build and arrange our store so that you may shop comfortably and conveniently. We think you will like it.

¶ Come and see us. Make our store your headquarters while in the city. You are always welcome. FRANK HOWARD.

Frank Howard,
Fenn, First and Federal Streets,

Pittsfield,

Mass.

**Seeds, Tools,
Fertilizers,
Lime, Cement,
Tile, Flue Lining,
Contractors' Tools,
Poultry Supplies.**



Vegetable and Flower Seeds in Packets, Ounces, Quarter Pounds and Pounds DELIVERED FREE.
Other SEEDS, TOOLS, ETC., at PURCHASERS EXPENSE.

1917

**ORDER SHEET FOR SEEDS, TOOLS,
FERTILIZERS, ETC.**

1917

FRANK HOWARD.

FENN, FIRST AND FEDERAL STREET,
PITTSFIELD, MASS.

Date..... 1917

222 D. B. RUMMEL

Please forward by:

State if wanted by mail, express, or freight

Gardener's Name.....

Post office County, State

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Station _____ *County* _____ *State* _____

Enclosed find Express Money Order

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F. U. Money Order, \$..... Postage Stamps, \$.....

I give no warranty, express or implied, as to description, quality, productivity, or any other matter of any

bulbs, or plants I send out, and will not be responsible for the crop—**FRANK HOWARD**,
seeds, bulbs, or plants I send out, and will not be responsible for the crop—**FRANK HOWARD**,

QUANTITY

ARTICLES

PRICE

1917

FRANK HOWARD'S
Annual Spring Catalog
—OF—
Reliable "Seeds That Grow"

TOOLS and MACHINERY

In this catalog we have endeavored to make prices as near right as possible. The market in many lines owing largely to the war conditions is very unsettled and it is impossible to make firm prices for the year, you can however depend on us at all times to give you **BEST GOODS** and at **FAIR PRICES**. PRICES HOWEVER ARE SUBJECT TO CHANGE WITHOUT NOTICE.

WE PAY POSTAGE or EXPRESS on SEEDS in PACKETS, OUNCES, QUARTER-POUNDS and POUNDS, on other seeds if wanted by mail add postage as per following table:

PARCEL-POST ZONE RATES

Within the United States

Zone	Within	1st lb. or fraction	Additional lb. or fraction
1st	.50 miles of Pittsfield.....	5c.	1c.
2d	.50 to 150 miles of Pittsfield.....	5c.	1c.
3d	.150 to 300 miles of Pittsfield.....	6c.	2c.
4th	.300 to 600 miles of Pittsfield.....	7c.	4c.
5th	.600 to 1,000 miles of Pittsfield.....	8c.	6c.
6th	.1,000 to 1,400 miles of Pittsfield.....	9c.	8c.
7th	.1,400 to 1,800 miles of Pittsfield.....	11c.	10c.
8th	.1,800 and over miles of Pittsfield.....	12c.	12c.

Maximum weight, 50 lbs. to 1st and 2d zones, and 20 lbs. from the 3d zone upward.

"Our Seeds are Northern Grown, None Better at Any Price."

Our name is an absolute guarantee of the best in quality and price.

Make our store your headquarters while in the city. You are always welcome.

Yours respectfully,
FRANK HOWARD.

GARDENER'S AND HEAD FARMER'S SITUATIONS

We keep a register of names of Practical Gardeners and Farm Managers also Farm Laborers who are in want of situations. If parties desiring such will write to us we shall be glad to put them in communication with men that we deem suitable. To aid us in making a selection we ask full particulars, and whether a married or single man is wanted. We make no charge for this service, either to employer or employee.

SPECIAL NOTICE.

I give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, or plants I send out and will not be responsible for the crop.—FRANK HOWARD.

1917

FRANK HOWARD'S
GENERAL LIST OF
Standard Tested Vegetable Seeds

"Our Seeds are Northern Grown, None Better at Any Price."

	Pkt.	Oz.	1/4Lb.	Qt.
ARTICHOKE,—Green Globe, the standard sort . . . . .	.15	.60	2.00	
Jerusalem, (Roots), . . . . .				.25
ASPARAGUS,—				
Culture.—Sow the seed thinly in rows 1 foot apart in April or May and keep down weeds; thin seedlings to 3 or 4 inches apart. One year old roots should be set out in spring, in rich sandy loam, dug 18 inches deep, work in plenty of well rotted manure. Every fall a good dressing of coarse manure and Quinnipiac or Mapes Fertilizers should be applied after tops are cut and in the spring forked in. Never cut closely.				
PALMETTO,—The earliest good yielder, even and regular in growth, quality unequalled, . . . . .	.05	.10	.20	
COLOSSAL,—The old standard variety, . . . . .	.05	.10	.20	
ASPARAGUS ROOTS,—Palmetto, (2 years old)			per 100,	\$1.00
" " (3 years old)			per 100,	\$1.50
COLOSSAL, (2 years old)			per 100,	\$1.00

BEANS

CULTURE.—When ground is perfectly warm and dry, make drill 2 inches deep and 18 inches to 2 feet apart; drop the beans 3 inches apart in the drills, cover not over 2 inches deep. Hoe well in dry weather. Sow every two weeks for succession. Compost, Mapes, or Quinnipiac Fertilizer may be thoroughly worked into soil before planting.

Dwarf Green Podded Varieties

GIANT STRINGLESS GREEN POD,—

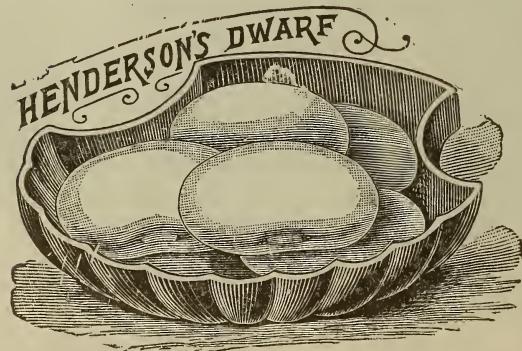
Very early, round pods absolutely stringless, fine quality, one of the finest string beans grown, 35c pt., 60c qt., \$2.25 $\frac{1}{2}$ peck, \$4.25 peck.

IMPROVED EARLY RED VALENTINE,—

One of the earliest beans in cultivation. Round pod, 30c pt., 50c qt., \$1.75 $\frac{1}{2}$ peck, \$3.25 peck.



Improved Early Red Valentine



IMPROVED ROYAL WHITE OR KIDNEY,—Excellent for shelling green or baking when ripe, 25c pt., 45c qt., \$1.50 $\frac{1}{2}$ peck, \$2.75 peck.

LARGE WHITE MARROW,—The favorite for general field crop, 25c pt., 45c qt., \$1.50 $\frac{1}{2}$ peck, \$2.75 peck.

HENDERSON'S BUSH LIMA,—The earliest of the Bush Limas, very productive, requires no stakes or poles, quality excellent, 25c pt., 45c qt., \$1.50 $\frac{1}{2}$ peck, \$2.75 peck.

BEANS—Continued—Dwarf, Green Podded Varieties

EXTRA EARLY REFUGEE,—Round pod, very productive, 30c pt., 50c qt., \$1.75 $\frac{1}{2}$ peck, \$3.25 peck.

BOUNTIFUL,—Pods grow to large size, are broad and fleshy, cook tender and fine quality, 35c pt., 60c qt., \$2.00 $\frac{1}{2}$ peck.

BURPEE'S STRINGLESS GREEN POD,—Very early, tender and crisp. Pods pale green, long and straight, round, meaty and stringless, 35c pt., 60c qt., \$2.25 $\frac{1}{2}$ peck.

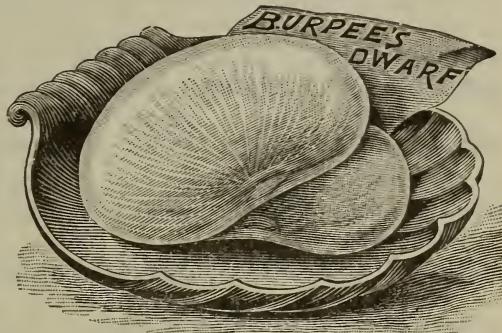
BURPEE'S DWARF OR BUSH LIMA,—A perfect bush form of the true luscious large Lima grows from 18 to 20 inches high, stout, and erect growth, immense yielder, 30c pt., 50c qt., 1.75 $\frac{1}{2}$ peck, \$3.25 peck.

BURPEE'S "IMPROVED" BUSH LIMA,—An improvement on Burpee Bush Lima, 30c pt., 50c qt., \$1.75 $\frac{1}{2}$ peck, \$3.00 peck.

DREER'S BUSH LIMA,—30c pt., 50c qt., \$1.75 $\frac{1}{2}$ peck, \$3.25 peck.

FORDHOOK BUSH LIMA, (New)—Both pods and beans are very large. 30c pt., 50c qt.

HORTICULTURAL DWARF, or "Dwarf Cranberry," late and productive, flat pod, 35c pt., 60c qt., \$2.00 $\frac{1}{2}$ peck, \$3.75 peck.

**Dwarf, Wax or Butter Varieties**

	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.
BLACK WAX, PENCIL POD ,—Slender, long, round pods, hardy and prolific, splendid quality, . . . . .	.35	.60	\$2.25	\$4.00

	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.
BLACK WAX, IMPROVED ,—Probably the original Butter Bean—prolific, tender, early, . . . . .	.35	.60	2.25	4.00

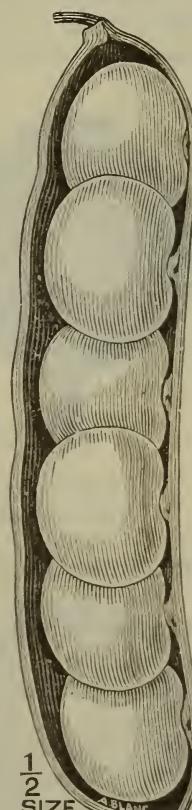
HODSON WAX ,—Very large, brittle and tender pods flat but fleshy, enormously productive, popular on account of its freedom from disease, late,35	.60	2.25	4.00
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IMPROVED GOLDEN WAX ,—Hardy and productive, pods flat, stringless, wax-like and handsome,35	.60	2.25	4.00
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KIDNEY WAX ROUND-POD , (Brittle Wax) —A handsome midseason variety, pods long and round, wax-like, stringless, fine quality35	.60	2.25	4.00
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MICHIGAN WHITE WAX ,—Early, prolific, very tender, fine quality,35	.60	2.25	4.00
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REFUGEE WAX ,—The earliest wax variety, pods very tender, remaining so well through the season, heavy bearer,35	.60	2.25	4.00
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**Climbing or Pole Varieties**

CULTURE.—Sow after danger from frost and soil is warm and dry in hills 4 feet each way. Poles 8 or 10 feet long, should be firmly set in hills before planting seed.

	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.
GOLDEN CLUSTER WAX, IMPROVED ,—Pods 6 to 8 inches long, golden yellow, flavor delicious, bears early, and lasts until late in the season,30	.55	1.75	3.25

BLACK WAX ,—Fine variety for string beans, pods yellow,30	.50	1.75	3.25
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HORTICULTURAL OR CRANBERRY ,—A popular variety for shelling,25	.45	1.50	2.75
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EARLY JERSEY LIMA ,—Fully two weeks earlier than the large Lima, and combines quality, quantity and earliness,25	.45	1.50	2.75
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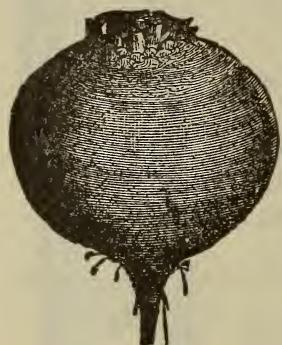
"Our Seeds are Northern Grown, None Better at Any Price."

BEANS—Climbing or Pole Varieties—Continued

	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.
DREER'S LIMA,—Thick, fine quality, . . . . .	.25	.45	\$1.50	
KING OF THE GARDEN LIMA,—Heavy cropper, bean and pod very large, . . . . .	.25	.45	1.50	
EXTRA LARGE WHITE LIMA,—Extra large size, very tender and delicious, . . . . .	.25	.45	1.50	
DUTCH CASE KNIFE,—Pods long, green and flat, an excellent shell bean, . . . . .	.20	.35	1.25	
SCARLET RUNNERS,—Grown principally for ornament, scarlet blossom, . . . . .	.30	.50		
WHITE DUTCH RUNNERS,—Same habit as the scarlet, blossoms white, . . . . .	.25	.40		
OLD HOMESTEAD, (Kentucky Wonder)—Probably the earliest of the green podded pole varieties, enormously productive, tender and nice, . . . . .	.30	.50	1.75	

BEETS—Table Varieties

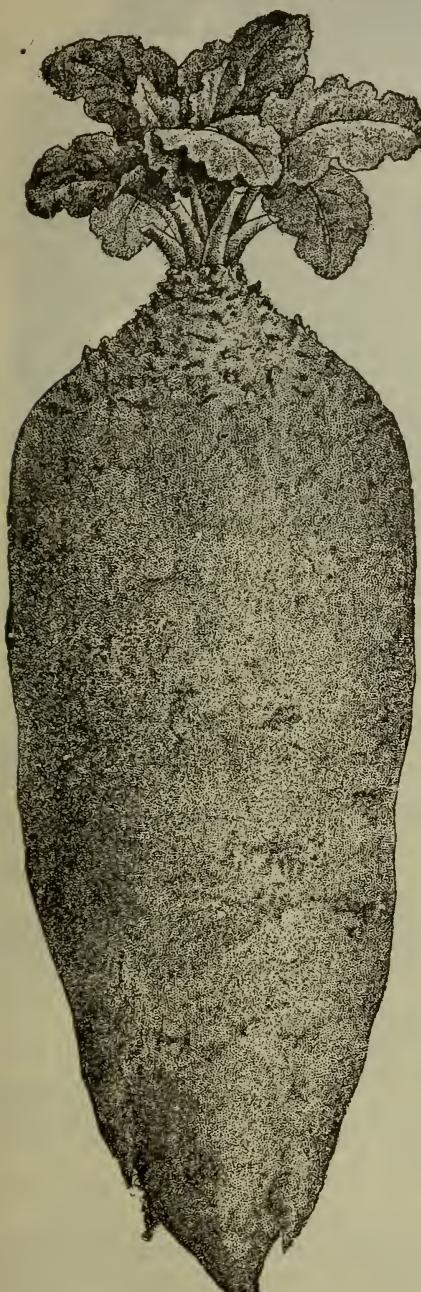
CULTURE.—Sow as early as the ground can be worked and every two weeks after, up to the first week of July for a succession. For general crop sow after middle of May. Sow in drills, 1 foot to 15 in. apart, and when well up thin from 4 to 6 in. Soil should be light, sandy loam, well enriched—very little danger of getting too rich.



Early Blood Turnip Beet

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
BASSANO,—Early flat,—An early, tender variety, color light, . . . . .	.05	.15	.40	\$1.25
BASTIAN'S EARLY BLOOD TURNIP,—A good variety to follow Egyptian and Eclipse, . . . . .	.05	.15	.40	1.25
CROSBY EGYPTIAN BEET,—An improvement on the original Egyptian, fully as early and a better keeper, . . . . .	.05	.15	.40	1.25
CRIMSON GLOBE,—Selected. Rich deep crimson, fine quality tender and sweet, globe shaped, . . . . .	.05	.15	.40	1.25
DETROIT DARK RED TURNIP—Round, skin dark blood-red, flesh bright red, . . . . .	.05	.15	.40	1.25
DEWING'S BLOOD TURNIP—Fine form and flavor, deep blood-red, . . . . .	.05	.15	.40	1.25
EARLY BLOOD TURNIP,—One of the best known and most popular sorts, deep blood-red color, excellent quality, . . . . .	.05	.15	.40	1.25
ECLIPSE BLOOD TURNIP,—Very early, one of the best, color bright red, . . . . .	.05	.15	.40	1.25
EDMANDS' BLOOD TURNIP,—Second early, dark red, smooth, round, . . . . .	.05	.15	.40	1.25
LENTZ BLOOD TURNIP,—Very early, small top, round, dark red, . . . . .	.05	.15	.40	1.25
LONG SMOOTH BLOOD,—Long smooth, dark red, late variety, . . . . .	.05	.15	.40	1.25
SWISS CHARD OR SEA KALE BEET,—Grown exclusively for its leaves. The middle of the leaf can be used and served like asparagus, the rest like spinach, . . . . .	.05	.15	.40	1.25

"Our Seeds are Northern Grown, None Better at Any Price."



Mammoth Prize Long Red

MANGEL WURZEL

CULTURE.—Mangels require deep soil to grow well. Plow and subsoil at least a foot to 18 in. Apply plenty of rich stable manure or Mapes or Quinnipiac Fertilizers. Sow latter part of May or in June (5 to 8 lbs. to acre), in rows not less than 18 inches apart and thin to 8 inches in the row. Young plants may be transplanted to fill up vacancies. When plants are 3 to 4 inches high sow 600 lbs. Quinnipiac or Mapes fertilizer to the acre. Cultivate and hoe well, keeping down weeds.

Oz. $\frac{1}{4}$ Lb. Lb.

MAMMOTH PRIZE LONG RED,

—One of the best for deep soil, roots very large, very heavy cropper,

.10 .20 .50

CHAMPION YELLOW GLOBE,

—Good keeper, smooth, globe shaped roots,

.10 .20 .50

GOLDEN TANKARD,—

Flesh bright yellow, said to contain a large amount of sugar,

.10 .20 .50

NORBITON GIANT,—

The largest variety grown, and one of the most popular,

.10 .20 .50

LANE'S IMPERIAL SUGAR,—

White fleshed, said to contain a large amount of sugar,

.10 .20 .50

BROCCOLI

Pkt. Oz.

WHITE CAPE,—(Cultivation same as Cauliflower)

as Cauliflower) one of the most certain to head, heads compact, creamy white,

.10 .35

BRUSSELS SPROUTS

(Cultivation same as Cabbage.)

IMPROVED DWARF,—

Compact heads, probably the best,

.10 .35

CAULIFLOWER

CULTURE.—Same as cabbage except that an extra amount of fertilizer and plenty of water may be used to advantage.

Pkt. Oz. $\frac{1}{4}$ Lb.

EARLY SNOWBALL,—The best cauliflower grown, a sure header,

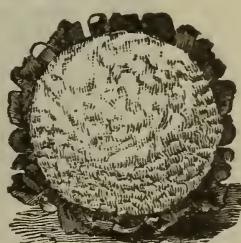
.25 \$2.75 \$9.00

EXTRA EARLY PARIS,—A standard variety,

.10 .75 2.50

EARLY FAVORITE,—An excellent very early variety,

.15 1.00 3.00



Snowball Cauliflower

CABBAGE

CULTURE. — Soil for Cabbage should be rich, heavy loam, with good drainage. Use an abundance of stable Mapes or Quinnipiac Fertilizers, worked well into the soil. Sow in hot beds, transplanting in the spring as soon as the ground can be worked, 2 ft. apart one way and 12 to 18 in. the other, according to variety. For late crops, sow in May, transplant in July. If desired to cultivate with horse, set in rows of 2 ft. by 3 ft.



All Seasons Cabbage

ALL HEAD, — Very early and very solid, 10c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

ALL SEASONS, — Fine strain. Heads deep. Can be planted for early or late crop, 10c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

AUTUMN KING, — One of the finest of late cabbages, excellent keeper, 10c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

CHARLESTON LARGE WAKEFIELD, — About one week later than the Early Jersey Wakefield, but fully one half larger, 10c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

EXCELSIOR LATE FLAT DUTCH, — A valuable late variety, one of the best for main winter crop, 10c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb. Pkt. Oz. $\frac{1}{4}$ Lb. Lb.

FOTTLER'S IMPROVED BRUNSWICK, — Fine large head, early, planted late makes excellent winter variety, 10 .25 .75 \$2.50

IMPROVED EARLY SUMMER, — Ten days later than Jersey Wakefield, large heads, excellent second early, 10 .25 .75 2.50

SUCCESSION IMPROVED, — Ten days later than early Summer, very large, sure header, good keeper and fine quality, 10 .25 .75 2.50

MAMMOTH ROCK RED, — Largest and surest header, red, 10 .25 .75 2.50

SELECTED EARLY JERSEY WAKEFIELD, — The earliest cabbage, heads cone shaped and solid, 10 .30 .85 3.00

EARLY WINNINGSTADT, — About three weeks later than Jersey Wakefield, heads cone shaped and solid, sure to head, 05 .25 .75 2.50

STONE MASON DRUMHEAD, — Large firm heads, fine quality, late, 10 .25 .75 2.50

DRUMHEAD SAVOY, — Very tender, excellent flavor, fine, 10 .25 .75 2.50

SUREHEAD IMPROVED, — Large firm heads, late good main crop, .10 .25 .75 2.50

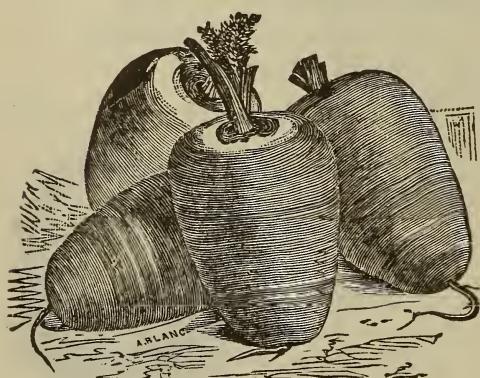
HOLLANDER OR DANISH BALL HEAD, — Medium size heads, solid, best keeping cabbage grown, 10 .30 .85 3.00

CARROTS

CULTURE. — Sow from middle of May to first of July, in rows 10 in. apart for early, and 14 for main crop, or further apart if it is desired to cultivate with horse. Thin out to 5 in. in rows for early crop, 6 to 7 in. for main crop. Soil, light, sandy loam deeply dug, richly manured, hoe often, cultivate deep.

OXHEART OR GUERANDE, — Roots, short and very thick, intermediate between Scarlet Horn and Half Long, 5c pkt., 15c oz., 50c $\frac{1}{4}$ lb., \$1.50 lb.

DANVERS' HALF LONG, — (Pointed), heavy yielder, roots 8 to 10 inches long, thick, dark orange, 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$1.75 lb.



New Oxheart Carrot

CARROTS—(Continued)

DANVER'S HALF LONG,—(Stump rooted), similar to above excepting that it has blunt roots, 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$1.75 lb.

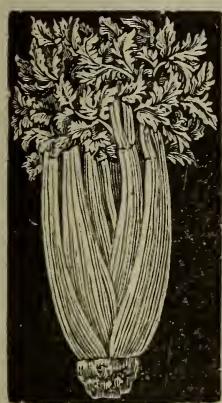
EARLY SCARLET HORN,—An early variety, deep orange, blunt root, 6 to 8 in., 5c pkt., 20c oz., 60c $\frac{1}{4}$ lb., \$1.75 lb.

FRENCH FORCING,—Small round root, the earliest variety, .10 .25 .75 \$2.50

INTERMEDIATE,—Similar in shape to Danvers pointed, color deep orange, nearly coreless, good cropper, .10 .25 .75 2.50

IMPROVED LONG ORANGE,—The best general crop in deep soil, excellent for stock or table, .05 .15 .50 1.50

CELERY



CULTURE.—Sow seeds in light rich soil, as early as ground can be worked, in drills 8 or 10 inches apart, cover seeds about a quarter of an inch deep, rolling or treading them if ground is dry. When fairly out of seed leaf transplant or thin from 6 to 8 inches apart in the row, and let grow until wanted to plant out. Keep well wet down in dry weather. Set out in July, 6 to 8 inches apart, (press soil firmly against roots), in single row in shallow trenches, having previously worked a good quantity of well rotted manure in bottom of trench. It is well to work thoroughly into the soil under and around the trench a quantity of Mapes or Quinnipiac Fertilizers. To raise good celery requires rich soil. Earth up two or three times, taking care not to let the earth get into the heart of the plant.

IMPROVED WHITE PLUME,—One of the easiest to raise as it requires no "banking up." Early and attractive, Pkt. Oz. $\frac{1}{4}$ Lb. .10 .40 \$1.25

DWARF GOLDEN HEART,—Very solid golden yellow heart, excellent keeper, fine flavor, .10 .25 .75

DWARF GOLDEN SELF BLANCHING,—One of the best early, solid, fine nutty flavor, good size, golden yellow, .20 1.00 3.50

GIANT PASCAL,—The largest variety grown, fine nutty flavor, excellent keeper easily blanched, .05 .25 .75

WINTER QUEEN,—Very large, blanches well, excellent keeper, .05 .30 1.00

BOSTON MARKET,—Very popular, a strong grower, tender and crisp, .05 .25 .75

SOUP CELERY,—(Old seed for flavoring), 5c oz., 15c $\frac{1}{4}$ lb., 40c lb.

CELERIAC—(Turnip-Rooted Celery)

CULTURE.—Similar to celery but needs no hillling up.

LARGE SMOOTH PRAGUE,—An improved variety, round, smooth roots, the largest and best variety, 10c pkt., 40c oz., \$1.25 $\frac{1}{4}$ lb.

CHERVIL

CULTURE.—Same as parsley.

CURLED,—The leaves are used for flavoring, 5c pkt., 15c oz., 40c $\frac{1}{4}$ lb.

CHICORY

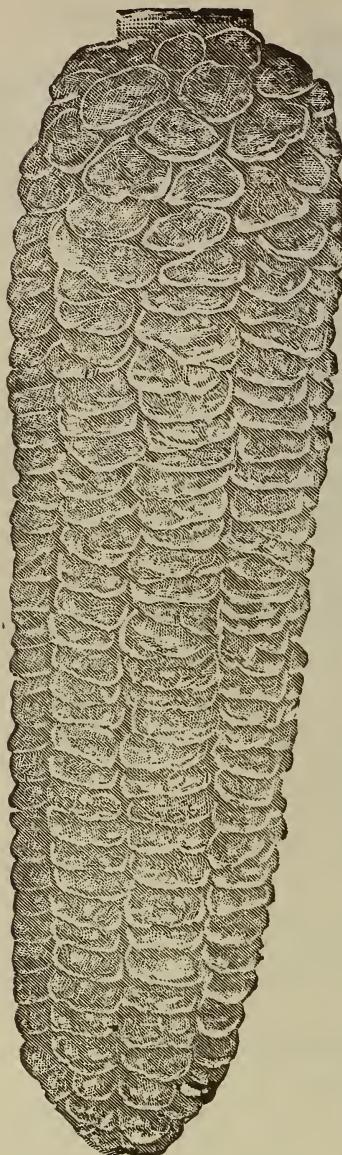
CULTURE.—Sow in June, transplant in autumn into sand in cellar.

LARGE ROOTED,—5c pkt., 15c oz., 35c $\frac{1}{4}$ lb., \$1.00 lb.

CORN SALAD OR FETTICUS

CULTURE.—Sow in August in drills $\frac{1}{4}$ in. deep, 6 in. apart, keep down weeds. Just before winter cover thinly with straw or leaves.

LARGE GREEN CABBAGING,—A small, hardy, salad, used also as a substitute for lettuce, 5c pkt., 10c oz., 30c $\frac{1}{4}$ lb., 80c lb.



CORN—(Sweet or Sugar)

CULTURE.—Plant in hills 3 ft. apart each way, and five or six kernels in a hill. Hoe often, drawing soil up to stem after first hoeing. Break off side shoots. Make ground very rich. If stable manure is used, it is perhaps best to plow it under. Use broadcast or in the hill Mapes or Quinnipiac Fertilizer, worked well into soil. It has been found very beneficial to sow these fertilizers between the rows before cultivating and hoeing the second time.

We have been very careful in selecting the best and sweetest varieties of corn adapted to this section. The list below is arranged in order as they would mature. If two or more varieties are selected and planted at same time, they would be ready for the table at different times, one following the other.

	Pt.	Qt.	½Pk.	Pk.
CORY ,—The earliest sweet corn grown, ears good size, cob red,	.20	.30	.85	1.50
GOLDEN BANTAM ,—Small yellow ears, delicious flavor,	.30	.50	\$1.85	3.25
MAMMOTH WHITE CORY ,—An improvement in size and quality over the white Cory,	.20	.30	.85	1.50
HOWARD'S PERFECTION —This is a new variety coming just after the Cory, large ear, white kernels, and white cob, excellent quality,	.20	.30	.85	1.50
NEW PREMO ,—Very early, large ears, fine quality,	.20	.30	.85	1.50
LONG ISLAND BEAUTY ,—Early, large size, valuable market sort,	.20	.30	.85	1.50
CROSBY EARLY ,—An old and popular variety, rather small ears, good quality,	.20	.30	.85	1.50
MINNESOTA EARLY ,—Very early and desirable, ears fair size, good quality,	.20	.30	.85	1.50
SHAKER EARLY ,—Large ears, excellent quality,	.25	.35	1.00	1.75
MAYFLOWER EARLY ,—Large ears, ten to twelve rowed, white, exquisite flavor,	.20	.30	.85	1.50
BLACK MEXICAN , — Medium early, black kernels,	.20	.35	1.00	1.75
POTTER'S EXCELSIOR ,—Fine large ears, very sweet, deep grain, medium early,	.20	.35	1.00	1.75
COUNTRY GENTLEMAN ,—A distinct variety, rather small ear, cob very small, but of delicious quality (late),	.30	.50	1.85	3.25
HICKOX IMPROVED ,—An excellent variety,	.25	.35	1.00	1.75
STOWELL'S EVERGREEN ,—The standard for quality, and the best known variety, remains a long time in suitable condition for boiling,	.25	.45	1.50	2.50

FODDER CORN

RED COB ENSILAGE,—One of the very large growing varieties, stalks quite leafy, enormous yielder. Price \$2.50 per bushel, subject to change.

LEAMING,—Probably the best Ensilage Corn, grows very large,—in ordinary season produces an abundance of very large ears. Prices \$2.50 per bushel, subject to change.

HICKOX SWEET,—A very sweet variety, cattle will eat every part of it, grows about the size of Evergreen. Market price.

SWEET FODDER,—This is more or less a mixture but is excellent for sowing. Market price.

EUREKA ENSILAGE CORN,—A very large growing variety, per bushel \$2.75, subject to change.

FIELD CORN

CULTURE.—Same as Sweet Corn. Some prefer to plant in drills. Use "Quinnipiac" or "Mapes" Fertilizer, worked well into the soil when planting and before second hoeing.

EIGHT ROW YELLOW,—From selected ears grown in Pittsfield.

This Corn won the *Sweepstakes*, One First, Two Seconds, and One Third Premium at the Massachusetts Corn Show held at Springfield, Jan. 9 to 12, 1917. Price per bushel shelled corn, \$3.50. Per peck, \$1.00.

TWELVE ROW YELLOW,—From selected ears grown in Pittsfield.

This Corn won Two First and One Second Premiums at the Massachusetts Corn Show held at Springfield, Mass., Jan. 9 to 12, 1917. Price per bushel shelled Corn, \$3.50. Per peck, \$1.00.

POP CORN

RICE,—Shelled,—selected for seed,	Per qt.,	25c
RICE,— " —for popping,	Per lb.,	8c to 10c

CRESS OR PEPPER GRASS

CULTURE.—Sow curled variety thickly in shallow drills every two or three weeks. Cut often. Sow water cress in damp soil or along streams of water.

EXTRA CURLED,—Used as salad,	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
	.05	.10	.20	.50

TRUE WATER CRESS,—Grows along the banks of ponds and streams—a fine salad, .10 .35 1.00

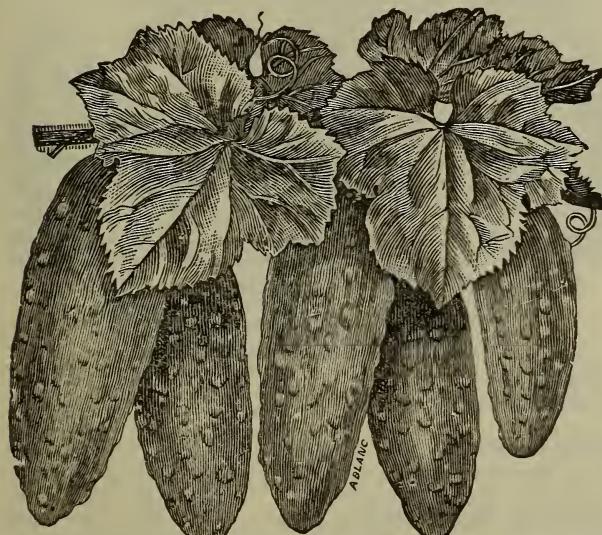
CUCUMBERS

CULTURE.—For very early, sow seeds in hotbeds upon pieces of sod. Transplant when danger from frost is over. For general crop, sow in open ground when danger from frost is over and again every two weeks for a succession. For pickles sow from middle of June, to first week in July. Plant in hills 4 ft. apart, making hills rich.

TELEGRAPH,—For growing in hotbeds or greenhouses, Pkt., 25c

BOSTON PICKLING,—One of the best for pickling, 5c pkt., 10c oz.,

25c $\frac{1}{4}$ lb., 80c lb.



NICHOL'S MEDIUM GREEN,—Intermediate between Long Green and Frame, 5c pkt., 10c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

IMPROVED WHITE SPINE, One of the popular varieties, early, vigorous grower, crisp and fine flavor, 5c pkt., 10c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

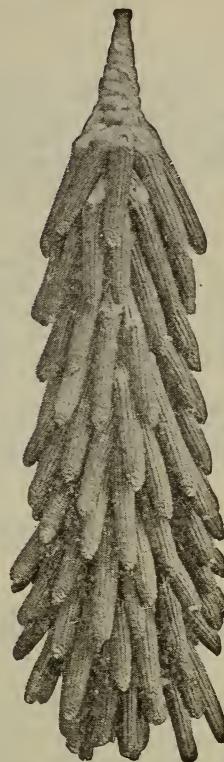
WEST INDIA GHERKIN, (Small Burr),—Used exclusively for pickles, 10c pkt., 20c oz., 40c $\frac{1}{4}$ lb., \$1.50 lb.

DANDELION

CULTURE.—Sow in early Spring in drills 1-2 in. deep and 18 in. apart, thin plants to 12 in. Keep clear of weeds. The leaves will be ready to cut the following spring. They are best if blanched, which can be done by placing two boards edgewise over the row.

IMPROVED THICK LEAVED,—Very much superior to the common dandelion for greens.

Per pkt., 10c., oz., 60c.



"Our Seeds are Northern Grown, None Better at Any Price."

EGG PLANT

CULTURE.—Sow in hot beds very early in spring, transplant when 2 in. high into second bed or small pots, or thin to 4 in. apart. Plant out after weather is perfectly settled and warm. Set plants 3 feet by 2 feet.

NEW YORK IMPROVED SPINELESS,—The earliest and probably the best, 10c per pkt., 50c per oz., \$1.50 per $\frac{1}{4}$ lb.

ENDIVE

CULTURE.—Sow in June, July or August, cover lightly, thin to 8 in. apart. Water well if dry. When leaves are 6 or 8 in. blanch by tying together near top; at approach of winter, take up with a ball of earth and put in cool dry cellar. Handling of plants must be done when perfectly dry.

GREEN CURLED,—The popular variety, one of the best salads for fall and winter use, 5c pkt., 15c oz., 35c $\frac{1}{4}$ lb., \$1.25 lb.

MOSS CURLED,—5c pkt., 15c oz., 35c $\frac{1}{4}$ lb., \$1.25 lb.

BROAD LEAVED,—A sweet variety; fall or winter, 5c pkt., 15c oz., 35c $\frac{1}{4}$ lb., \$1.25 lb.

WHITE CURLED,—For early use, 5c pkt., 15c oz., 35c $\frac{1}{4}$ lb., \$1.25 lb.

GOURDS

FANCY VARIETY MIXED,—5c pkt., 25c oz.

Kale or Borecole

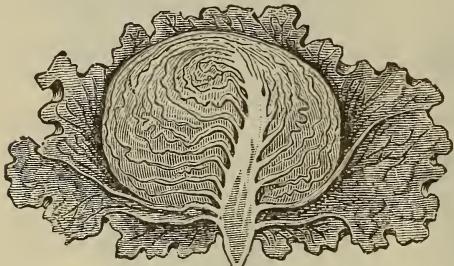
CULTURE.—Same as cabbage.

DWARF GREEN CURLED SCOTCH,—Grown for winter greens, 5c pkt., 10c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

KOHL RABBI—or Turnip-Rooted Cabbage

CULTURE.—Sow in Spring in rows 18 in. apart, thin to 8 or 10 in., when thickened stems are 2 or 3 in. through above ground they are ready to eat and should be used at once. Cook same as turnips.

PURPLE VIENNA,—5c pkt., 30c oz., 85c $\frac{1}{4}$ lb.



Hanson Lettuce

LETTUCE

CULTURE.—Sow in hot beds, and in open ground as soon as it can be worked, sow again in 2 weeks for succession. Transplant in rows 8 in. apart. Cos should be started very early in hot beds, and to blanch should be tied. Lettuce requires very rich ground well pulverized, in fact lettuce to be tender and crisp should have rapid growth, otherwise it will be tough and probably bitter.

	Pkt.	Oz.	$\frac{1}{4}$ Lb.
BIG BOSTON ,—About twice the size and one week later than The Boston Market, produces large solid heads,	.05	.20	.50
BOSTON MARKET ,—Edges slightly tinged with red, good forcing or out-door variety,	.05	.20	.50
GRAND RAPIDS ,—One of the best forcing varieties, strong grower, curly, tender, crisp and retains its freshness a long time after being cut,	.05	.20	.50
GOLDEN QUEEN ,—Medium size golden yellow, solid heads, early,	.05	.20	.50
HANSON IMPROVED ,—Outer leaves green, inner white, sure header, excellent quality, very satisfactory,	.05	.20	.50
IMMENSITY ,—The largest head lettuce, not early, but reliable for late summer and fall use,	.05	.20	.50
MAY KING ,—Large, round, solid heads, outer leaves yellowish green, tinged with brown, inside rich, golden yellow, early,	.05	.20	.50
NEW YORK CABBAGE ,—Not a forcing variety but one of the best summer lettuces, forms large heads, inside white,	.05	.20	.50
PHILADELPHIA BUTTER ,—Inner leaves yellow, heads solid,	.05	.20	.50
PRIZE HEAD ,—Leaves green and red, thin, crisp and tender,	.05	.20	.50
SALAMANDER ,—Heads compact, resists summer heat admirably, light green outside, white inside,	.05	.20	.50
SILESIA EARLY CURLED ,—Early and tender, leaves yellowish green,	.05	.15	.35

LETTUCE—(Continued)

	Pkt.	Oz.	$\frac{1}{4}$ Lb.
SIMPSON BLACK SEEDED ,—Leaves yellow, good for forcing or sowing out of doors,	.05	.20	.50
SIMPSON EARLY CURLED ,—Good for forcing or open ground sowing, yellowish green,	.05	.15	.35
TENNIS BALL, BLACK SEEDED ,—Forms handsome hard head, crisp and tender,	.05	.20	.50
TENNIS BALL, WHITE SEEDED ,—Excellent forcing variety, head firm, white and crisp,	.05	.20	.50
TRIANON COS OR ROMAINE ,—Self-closing, an excellent variety, bleaches white, very crisp and tender,	.05	.15	.40
WHITE PARIS COS ,—Has long narrow leaves, does not head, but when tied up blanches very nicely,	.05	.15	.40

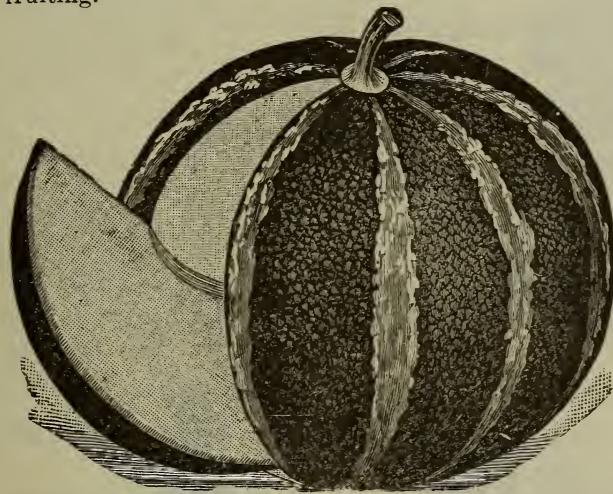
LEEK

CULTURE.—Sow very early in drills 6 inches apart and 1 inch deep. Thin to 1 inch. When 7 inches high, transplant in rows 12 inches apart, deep as possible without covering center leaves. Water well if dry when planted out. Draw soil up to them as they grow. Rich soil is necessary.

BROAD AMERICAN FLAG,—By far the best variety grown, 5c pkt., 15c oz., 50c $\frac{1}{4}$ lb.

MUSK MELON

CULTURE.—Light, sandy soil, very rich, plant when ground is dry and warm, in hills from 4 to 6 feet apart each way, 10 or 12 seeds to a hill. When well up and danger from insects is past, thin to 3 or 4 plants to hill. Pinch ends of growing shoots to induce early fruiting.



HACKENSACK EXTRA EARLY IMPROVED,—Quality perfect, very early, popular in this section, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

EMERALD GEM,—Medium size skin smooth, deep green, flesh salmon, delicious flavor, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

GOLDEN NETTED GEM—Round, very early, delicious, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

MILLER'S CREAM,—Delicious flavor, flesh thick, salmon pink, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

MONTREAL NUTMEG.—Excellent variety, large size, flesh melting and of delicious flavor, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

ROCKY FORD,—Netted, very sweet and fine flavored, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

SURPRISE,—One of the best for this section, flesh deep salmon, thick and fine flavor, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

YELLOW FLESHED OSAGE,—Very fine, thick fleshed, good keeper, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb.

WATER MELON

CULTURE.—Same as Musk Melon, only plant further apart, about 8 or 10 feet

PHINNEY'S EARLY,—Very early, fine quality, excellent variety for this section, Pkt. Oz. $\frac{1}{4}$ Lb.

MOUNTAIN SWEET,—Early, oblong, dark green, flesh red, solid, sweet, .05 .10 .25

CITRON,—Red Seed,—For Preserving, .05 .10 .25

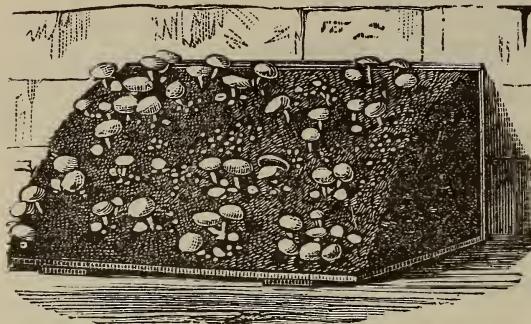
MUSTARD

CULTURE.—Sow thickly during early spring in shallow drills. Sow early in September for fall salad.

BLACK OR BROWN,—For salads, 5c oz., 10c $\frac{1}{4}$ lb., 25c lb.

WHITE LONDON,—For salads, 5c oz., 10c $\frac{1}{4}$ lb., 25c lb.

"Our Seeds are Northern Grown, None Better at Any Price."



Mushroom Bed

MUSHROOM SPAWN

CULTURE.—Mushrooms are more easily cultivated than many people imagine and may be grown in any room or cellar where the temperature can be maintained at from 50 to 65 degrees. For the beds use a mixture of three parts horse droppings and one part good fresh loam. Before being placed in the bed, let the manure be put in some dry place to sweeten, mixing it thoroughly and turning it three or four times, when the loam may

be added. Upon a dry firm bottom or shelf, make the bed by spreading a thin layer of the prepared mixture, pounding it firm, and continue this, till the bed is twelve inches thick. Leave it thus for about a week, or until the temperature has subsided to 85 degrees. Then make holes about ten inches apart, and put in each a piece of spawn about the size of an egg. Press the spawn firmly into the compost about two inches, leaving the top uncovered to allow the excess of heat and moisture to pass off without injury to the germs. After ten days, fill the holes and cover the whole bed with two inches of fresh loam, and over this place a few inches of straw. If the temperature is right, mushrooms will appear in six or eight weeks from the time of spawning. The bed will continue bearing from four to six weeks. If the surface of the bed becomes dry at any time, it should be moistened freely with water at a temperature of 90 to 100 degrees.

Our stock of spawn is replaced a number of times during the season and is giving excellent results.

AMERICAN,—In bricks, per brick 20c. 10 bricks \$1.80.

ENGLISH,— " " " " 15c. 10 " 1.30.

NASTURTIUM—(See Flower Seed) OKRA OR GUMBO

CULTURE.—Sow late in Spring when ground is warm, in drills 3 ft. apart, thin from 9 to 12 in. They should be well manured.

DWARF WHITE VELVET,—Pods round, smooth and white, very prolific,

DWARF GREEN,—Very early,

Pkt.	Oz.	1/4 Lb.	Lb.
.05	.10	.20	.50
.05	.10	.20	.50

ONIONS

CULTURE.—Sow in rich light soil in drills 1 ft. apart (or wider if to be cultivated with horse), as soon as ground can be worked thin to 3 or 4 inches, hoe or rake frequently to keep down weeds. Use Mapes or Quinnipiac Fertilizers.

BARLETTA,—Early, mild, fine, 10c pkt., 35c oz., \$1.10
1/4 lb., \$4.00 lb.

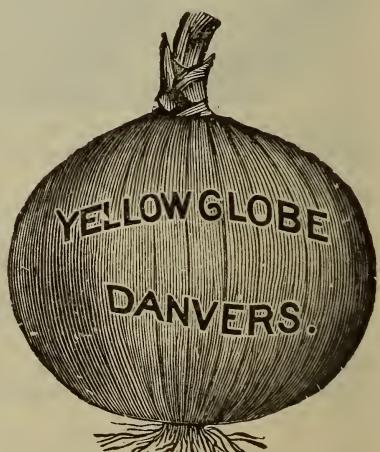
YELLOW GLOBE DANVERS—Our Finest Strain.

This seed is grown from the very earliest, and best selected Onions, and is very much superior to the average seed offered.—The Yellow Globe Danvers is the standard variety, good yielder, excellent keeper, 5c pkt., 20c oz., 75c 1/4 lb., \$2.50 lb.

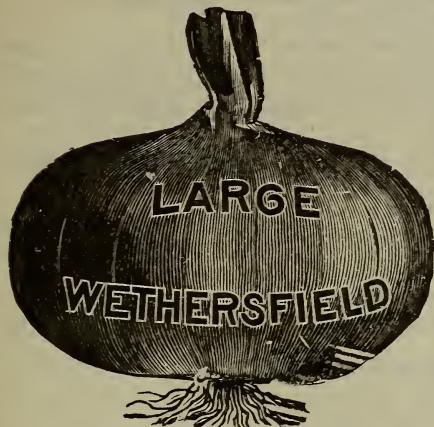
YELLOW GLOBE DANVERS,—Fine Strain,—While this is not equal to our finest strain, it is fully equal to most onion seed, and the same that is usually sold by dealers, 5c pkt., 20c oz., 65c 1/4 lb., \$2.25 lb.

EXTRA EARLY FLAT RED,—Very early, medium size, mild, 5c pkt., 25c oz., 75c 1/4 lb., \$2.50 lb.

NEW QUEEN,—Rapid grower, mild flavor, flat, white, fine for pickling, 10c pkt., 35c oz., \$1.00 1/4 lb., \$3.25 lb.



"Our Seeds are Northern Grown, None Better at Any Price."



ONION SEED

LARGE RED WETHERSFIELD,—Large yielder, good keeper, 5c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.
PRIZETAKER,—Bulbs very large, uniform, very productive, flavor mild, color, bright straw, choice American stock, 5c pkt., 20c oz., 65c $\frac{1}{4}$ lb., \$2.00 lb.

WHITE PICKLING,—The best for pickling, 5c pkt., 20c oz., 50c $\frac{1}{4}$ lb., \$1.75 lb.

SOUTHPORT WHITE GLOBE,—Large, firm, fine, grained, mild flavor, 10c pkt., 40c oz., \$1.25 $\frac{1}{4}$ lb., \$4.00 lb.

SOUTHPORT YELLOW GLOBE,—Same as White except in color, 5c pkt., 30c oz., 90c $\frac{1}{4}$ lb., \$3.00 lb.

WHITE PORTUGAL OR SILVERSKIN,—A flat white onion, fine grained, good keeper, 10c pkt., 35c oz., \$1.00 $\frac{1}{4}$ lb., \$3.50 lb.

HOWARD'S EXTRA EARLY RED GLOBE,—Ten days earlier than Southport Red Globe, color beautiful bright red, 10c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

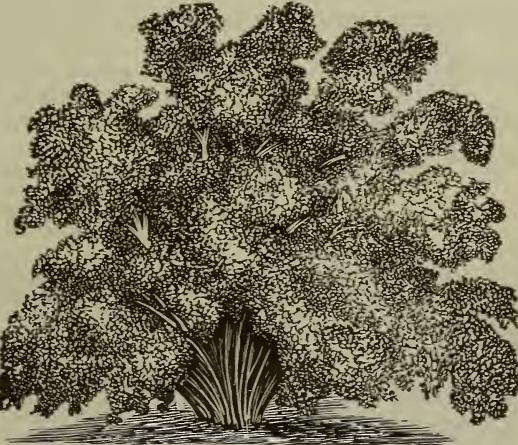
ONION SETS

	Qt.	$\frac{1}{2}$ Pk.	Pk.	Bu.
White, price subject to change,	.30	1.00	\$1.75	\$6.00
Yellow, price subject to change,	.25	.85	\$1.50	\$5.00

PARSLEY

CULTURE—Soak seed a few hours in warm water, sow early, and until the middle of July in drills 1 ft. apart. Thin to 4 in. For winter use, transplant to light cellar.

CHAMPION MOSS CURLED,—Beautifully crimped and curled, 5c pkt., 15c oz., 40c $\frac{1}{4}$ lb., \$1.25 lb.



Champion Moss Curled Parsley

FINE DOUBLE CURLED,—A standard variety, finely curled leaves, 5c pkt., 15c oz., 40c $\frac{1}{4}$ lb., \$1.25 lb.

FERN LEAVED,—Has a feathery, fern-like appearance, 5c pkt., 15c oz., 40c $\frac{1}{4}$ lb., \$1.25 lb.

PARSNIP

CULTURE.—Sow in drills 18 in. apart as soon as ground can be worked in Spring in rich soil, well and deeply dug. Thin to 6 or 8 in. Keep weeds down.

	Pkt.	Oz.	$\frac{1}{4}$ lb.	Lb.
LONG SMOOTH WHITE ,—Standard variety, long, smooth, white roots,	.05	.15	.30	.75
HOLLOW CROWNED ,—An excellent variety, fine quality,	.05	.15	.30	.75
STUDENT ,—Fine strain, with long smooth roots,	.05	.15	.30	.75

PEAS

CULTURE.—For Peas, light dry soil is best. Sow as early as ground can be worked, and again every ten days for succession. Peas may be sown as late as August 15th. Medium and late Peas must be planted early. Early Peas may be planted early or late, and the extra early very late. Sow in single or double rows from 4 to 6 feet apart, according to variety, and about an inch apart in the row and 4 in. deep. Hoe often, keep ground clean and fine. Most Dwarf Peas will bear better if bushed enough to keep them from the ground. If the pea louse attacks the vines, spray every day with clear water of the same temperature as the atmosphere, using force.

"Our Seeds are Northern Grown, None Better at Any Price."

PEAS—(Continued)—Extra Early Dwarf Varieties



Nott's Excelsior

Those marked with a star () are wrinkled peas and unless otherwise stated, should be sown thicker than the round Peas.

Height Pt. Qt. $\frac{1}{2}$ Pk. Peck Bush.
in ft.

*BLISS

AMERICAN

WONDER,—

Fine quality

very early, 1 .20 .35 \$1.25 2.00 7.50

*PREMIUM

GEM—An

improvement

on Little Gem

fine variety, 1 $\frac{1}{4}$.20 .35 \$1.25 2.00 7.50

*LITTLE MARVEL,—A little earlier than the Wonder, good quality, remarkably prolific,

1 $\frac{1}{4}$.25 .40 1.35 2.50 \$9.50

*LAXTONIAN,—Very large, dark green, curved pods and Peas of finest flavor, good yielder, very early,

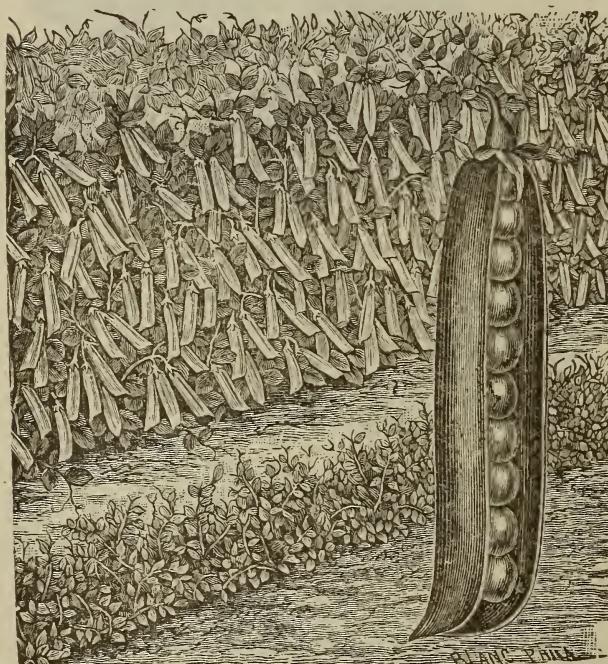
1 $\frac{1}{2}$.25 .45 \$1.50 2.50 9.50

*NOTT'S EXCELSIOR,—Fine quality, very early, good yielder,

1 $\frac{1}{4}$.20 .35 \$1.25 2.25 8.50

*SUTTON'S EXCELSIOR—Similar to Nott's larger pods, 1 .25 .40 \$1.35 2.50 9.00

Extra Early Varieties—Not Dwarf



HOWARD'S EXTRA EARLY

One of the very earliest peas grown, ripens evenly, pods well filled, in quality and productivity it is fully equal to any of the early smooth sorts, height 2 1-4 feet, pint 20c., quart, 35c., $\frac{1}{2}$ pk. \$1.25, peck \$2.00, bushel \$7.50.

	Height in ft.	Pt.	Qt.	$\frac{1}{2}$ Pk.	Peck	Bush
ALASKA,—The earliest blue pea, fine sort, hardy and productive,	2 $\frac{1}{2}$	.20	.35	\$1.25	2.00	7.50
*GRADUS,—(Prosperity),—One of the finest extra early peas yet introduced. It is in condition to pick about five days after our Extra Early, pods large, well filled with wrinkled deep green peas,	3	.25	.40	\$1.35	2.25	

"Our Seeds are Northern Grown, None Better at Any Price."

PEAS—(Continued)—Extra Early Varieties

	Height in feet	Pt.	Qt.	$\frac{1}{2}$ Pk.	Pk.	Bush.
*THOMAS LAXTON,—Very early and productive, pods large, finest flavor,	3	.25	.45	\$1.50	2.50	9.00
PHILADELPHIA EXTRA EARLY,—	2½	.20	.35	\$1.25	2.00	7.50
FIRST AND BEST,—A standard early variety,	2½	.20	.35	\$1.25	2.00	7.50
IMPROVED DAN'L O'ROURKE,—A reliable early sort,	2½	.20	.35	1.25	2.00	7.50

Second Early Varieties

*ABUNDANCE—Bears numerous well filled pods, excellent quality,	1½	.20	.35	\$1.25	2.00	7.50
*EVERBEARING,—Remains long time in bearing, peas large, pods long, fine flavor,	2½	.20	.35	1.25	2.00	7.50
*NEW DWARF CHAMPION,—Very productive, large peas, delicious flavor,	2	.20	.35	1.25	2.25	8.00
*HORSFORD'S MARKET GARDEN,—On the style of Advancer, peas sweet and delicious,	2½	.20	.35	1.25	2.00	7.50
*MCLEAN'S ADVANCER,—A fine and popular varie- ty,	2½	.20	.35	1.25	2.00	7.50
*PRINCE EDWARD,—Produces extra large, dark, green well filled pods, excellent quality,	4	.20	.35	1.25	2.00	7.50
*STRATAGEM IMPROVED,—Heavy cropper, de- licious flavor, large handsome pods,	2	.25	.45	1.50	2.50	9.00

Tall Late Varieties

*ALDERMAN,—(New) Extra large pods on order of Duke of Albany, very fine,	4	.25	.40	1.50	2.50	9.00
*AMERICAN CHAMPION (DUKE OF ALBANY),— A trifle earlier than the Champion of England, fine variety, should be sown thinly,	5	.25	.40	1.50	2.50	9.00
*CHAMPION OF ENGLAND,—One of the richest, best flavored peas, well known and popular,	5	.20	.35	1.50	2.25	8.50
*IMPROVED TELEPHONE,—Very fine strain, pods very large, well filled, quality excellent,	4	.25	.40	1.50	2.50	9.00
CANADA FIELD,—Principally sown for feeding stock, market price,						
BLACKKEYED MARROWFAT,—An old-time favorite,	5	.20	.35	1.25	2.00	7.00
SUGAR, MAMMOTH MELTING,—Edible pods,	4	.30	.50			

PEPPERS

CULTURE.—Sow in hotbeds in March, when soil is warm, set in rows 2 ft. and 18 in. in the row. Hoe frequently.



	Pk.	Oz.	$\frac{1}{4}$ Lb.
LARGE BELL OR BULL NOSE,—A favorite, large, mild, red,	.05	.35	1.00
LONG RED CAYENNE,—Small, long, bright, red, extremely strong,	.05	.40	1.25
CHINESE GIANT,—Very large, flesh mild and thick, bright scarlet,	.10	.50	1.50
RUBY KING,—Mild, very large and handsome,	.05	.40	1.25
SWEET MOUNTAIN,—Large and mild, a popular sort,	.05	.45	1.35
RED CHERRY,—Cherry-shaped, for pickles,	.05	.40	1.25



POTATOES

CULTURE.—So many conflicting opinions exist as to the best method of growing potatoes, that we do not venture to give directions for culture. We do, however, make the following suggestions: Plant in such a manner that most of the heavy hard work can be done by the horse. Use "Mapes Potato Manure," or "Quinnipiac Potato or Market Garden," in sufficient quantities to insure a crop. Always bear in mind that to get the full benefit of the fertilizer and not burn the roots it should be thoroughly mixed with the soil. If stable manure is used at all, it should not come in contact with the tubers, as it is sure to make the crop rough and scabby.

These Potatoes were raised from our Maine Grown Seed, the crop was uniform and heavy and of excellent quality.

POTATOES

Use the "Quinnipiac or Mapes Fertilizers." To insure quantity and quality in your potato crop there are positively no better fertilizers made.

Early Potatoes

The Potatoes we offer were grown and harvested in Maine especially for seed purposes.

At the time of going to press with this Catalog the Potato Market is so unsettled that we are unable to name prices, but we expect to have our supply as usual and will gladly quote on application.

$\frac{1}{2}$ Pk. Pk. Bu. Sack

BEAUTY OF HEBRON,—An excellent and popular early variety,

BOVEE,—Extra early, very productive, of fine quality, white,

EARLY ROSE,—A well known early variety,

IRISH COBBLER,—Fine quality, white, vigorous growth,

QUEEN,—Early, productive, fine quality,

INTERMEDIATE and LATE VARIETIES

CARMEN NO. 3,—Heavy yielder, fine quality,

NORCROSS,—Late, white, oval potato, good quality, good main crop,

GREEN MOUNTAIN,—Oval, white, excellent, heavy yielder,

PUMPKINS

CULTURE.—Same as for squash, or may be planted with corn.

CONNECTICUT FIELD,—The popular one for general crop, usually grown in corn fields for stock,

KING OF THE MAMMOTHS,—Grows very large, round, flat, yellow

SWEET OR SUGAR,—Small, round, yellow, excellent for pies,

Qt. Pk.

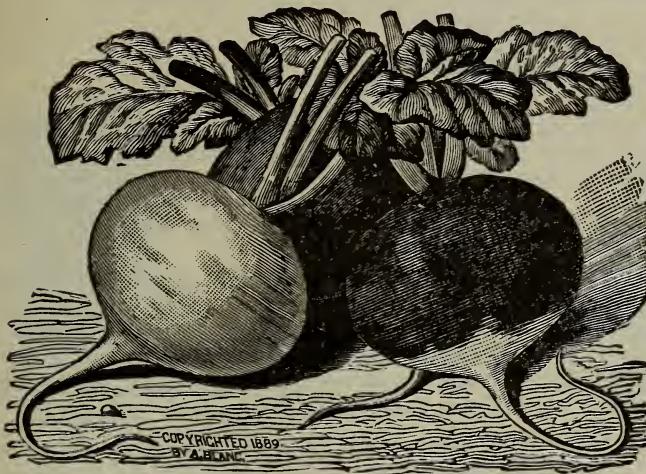
.25 \$1.50

Pkt. Oz. $\frac{1}{4}$ Lb.

.05 .10 .30

.05 .10 .20

"Our Seeds are Northern Grown, None Better at Any Price."



RADISH

CULTURE.—Sow as soon as ground is dry, in rows 8 to 12 in. apart, and every 10 days after for succession, up to middle of June. Light, rich soil.

EARLY ROUND DARK RED,—

Early, pleasant flavored, 5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.

EARLY SCARLET TURNIP,—

Popular, quick grower, mild flavor, 5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.

SCARLET TURNIP, WHITE TIPPED,—

Very early, fine quality, 5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.

OLIVE SHAPED SCARLET,—Early, flesh firm and crisp, 5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 75c lb.

Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
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ROSY GEM,—Globe-shaped, deep scarlet on top blending to white on the bottom, very fine, .05 .10 .25 .75

FRENCH BREAKFAST,—Olive-shaped, white-tipped, popular, .05 .10 .25 .75

SCARLET GLOBE,—One of the earliest, good for forcing or open ground culture, crisp and tender, .05 .10 .25 .75

LONG SCARLET SHORT TOP,—The old favorite, .05 .10 .25 .75

CHARTIER,—An excellent long variety, scarlet, .05 .10 .25 .75

LONG ICICLE,—Pure white, fine flavor, .05 .10 .25 .75

WHITE LADY FINGER OR VIENNA,—The finest of the long, .05 .10 .25 .75

white radishes, .05 .10 .25 .75

WHITE STRASBURG,—Long summer variety of good quality, .05 .10 .25 .75

Winter Radishes

ROUND BLACK SPANISH,—Skin black, globe-shaped, tender, .05 .10 .30 \$1.00

LONG WHITE SPANISH,—Skin white, mild, .05 .10 .25 .75

ROSE CHINA WINTER,—Rose-colored skin, flesh white, quality excellent, .05 .10 .25 .75

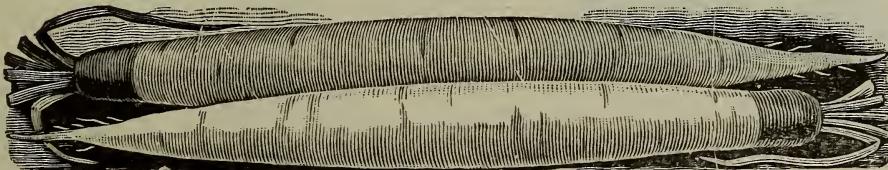
RHUBARB

CULTURE.—Sow seed in March in cold frame, keep from freezing, transplant to open ground in about 8 weeks; in rows 12 in. apart each way. The following spring transplant to 4 or 5 feet apart each way. When roots are set out plant them 4 or 5 feet each way. Ground should be very rich. Cover in fall with thick dressing of coarse manure, spade under in the spring.

VICTORIA,—A popular variety, 5c pkt., 15c oz., 35c $\frac{1}{4}$ lb.

ROOTS,—Each 15c, \$1.50 doz.

SALSIFY OR VEGETABLE OYSTER



CULTURE.—Sow as early as ground can be worked in spring, in drills 12 in. apart, 1 in. deep. Thin to 6 in. in row. Cultivate and treat as parsnips.

MAMMOTH SANDWICH ISLAND,—The best variety, 10c pkt., 25c oz., 75c $\frac{1}{4}$ lb., \$2.50 lb.

"Our Seeds are Northern Grown, None Better at Any Price."

SPINACH



LONG-STANDING THICK-LEAVED,—Dark green, stands a long time before going to seed, 5c pkt., 15c oz., 35c $\frac{1}{4}$ lb., \$1.00 lb.

NEW ZEALAND,—Should be started and transplanted, grows well during the hot weather. Seed should be soaked in hot water before sowing.

THICK-LEAVED ROUND,—One of the best; leaves large, thick, crumpled,

PRICKLY WINTER,

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
	.05	.15	.35	\$1.00
	.05	.15	.35	1.00
	.05	.15	.35	1.00

SQUASH—Summer Varieties

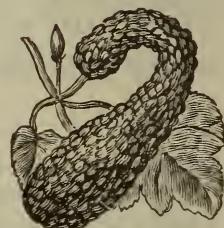
CULTURE.—Sow in hills same time and manner as cucumbers and melons, the bush varieties 3 to 4 feet and running 6 to 9 feet.

WHITE BUSH SCALLOP,—Very early, Pkt. Oz. $\frac{1}{4}$ Lb. Lb. good shipper, .05 .10 .25 .75

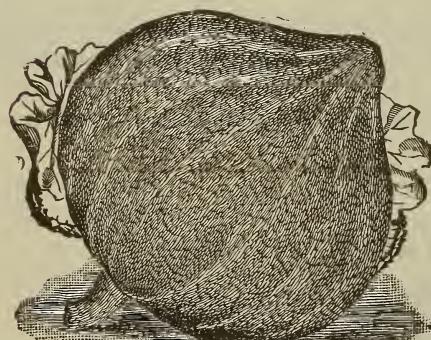
YELLOW BUSH SCALLOPED,—Same as above, excepting color, .05 .10 .25 .75

GIANT SUMMER CROOKNECK BUSH,—The favorite summer variety, .05 .15 .40 1.25

VEGETABLE MARROW,—Summer and fall variety, outside yellow, flesh white, .05 .10 .30 1.00



Fall and Winter Varieties



BOSTON MARROW,—Fine fall variety, oval, bright orange, .05 .10 .25 .75

DELICIOUS,—Green skin, orange flesh, fine grained, sweet and dry, .05 .10 .30 1.00

IMPROVED HUBBARD,—The leading variety, fine grained, dry, excellent, flavor, .05 .10 .30 1.00

IMPROVED MARBLEHEAD,—Similar to Hubbard, a trifle earlier, .05 .10 .30 1.00

MAMMOTH CHILI,—Orange yellow, grows very large, .05 .10 .30 1.00

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
	.05	.10	.25	.75
	.05	.10	.30	1.00
	.05	.10	.30	1.00

SUNFLOWER,—See Flower Seeds.

TOBACCO,—Connecticut Seed Leaf, 10c pkt., 30c oz.

"Our Seeds are Northern Grown, None Better at Any Price."

TOMATO



CULTURE.—Sow thinly in March in hotbed or in boxes in the house; when 2 inches high set out plants in boxes, four inches apart or pot singly. If again transplanted before setting in the ground they will be benefited. Plant out about June 1st. Set deeply 4 feet each way. Make hills very rich. Support with frame work or train to stakes.

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	
ACME,—Early, smooth, solid, color purplish red,	.05	.25	.75	
BEAUTY (Livingston's),—Large, smooth, solid, purplish red,	.05	.25	.75	
CHALK'S EARLY JEWEL,—New, large, solid, smooth, bright red, very early,	.05	.25	.75	
CORELESS (Livingston's),—Almost round, bright red, very productive, Ripens all over at once, almost free from green core, fine for slicing,	.05	.30	.85	
CRIMSON CUSHION,—Very large, scarlet crimson, few seeds, fine new variety,	.10	.35	\$1.00	
DWARF CHAMPION,—Vine compact and upright, very early, smooth, color same as Acme,	.05	.30	.85	
EARLIANA,—Extra early, bright red,	.05	.25	.75	
FAVORITE, (Livingston's),—Large, smooth, productive, good shipper,	.05	.25	.75	
PERFECTION, (Livingston's),—Early, regular, productive, blood-red, few seeds,	.05	.25	.75	
PONDEROSA,—One of the largest, solid, good flavor, bright red,	.10	.40	1.25	
RED CHERRY,—Fruit small, about $\frac{5}{8}$ inch in diameter, fine for preserves,	.05	.30	.85	
STONE,—Very solid, deep red, apple shape, large, good shipper,	.05	.25	.75	
YELLOW PLUM,—Plum shaped, deep yellow, fine flavored,	.05	.30	.85	
TROPHY, Extra Selected,—A standard late sort,	.05	.25	.75	

TURNIP

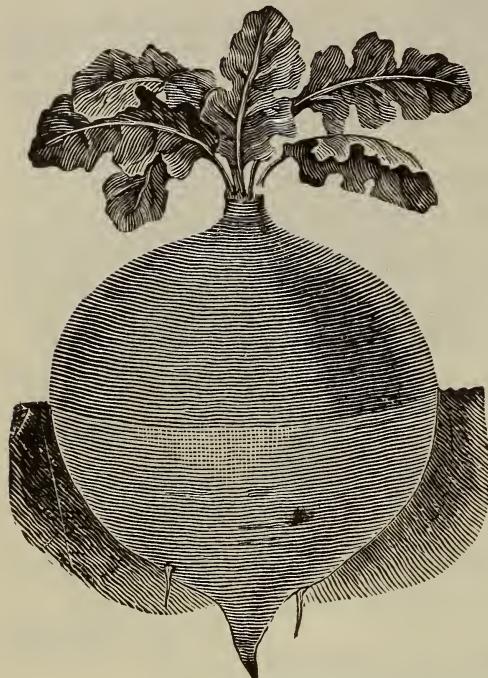


CULTURE.—For early turnips sow as soon as ground can be worked. For fall and early winter sow from middle of July to August. Sow Ruta Bagas in June or early in July in drills 18 in. apart; thin from 6 to 9 inches; soil should be rich and well worked. The early varieties may be sown broadcast, but Ruta Bagas should be sown in drills.

	Pkt.	Oz.	$\frac{1}{4}$ Lb.	Lb.
EARLY SNOWBALL, — Round, medium size, fine quality,	.05	.10	.20	.65
EARLY WHITE FLAT DUTCH,—Sweet and fine grained,	.05	.10	.20	.65
EXTRA EARLY PURPLE TOP MILAN,—The earliest turnip grown,	.05	.10	.30	1.00
LONG WHITE COWHORN,—Roots carrot shaped, flesh firm, white and sweet,	.05	.10	.20	.65
PURPLE TOP STRAP-LEAVED,—The leading variety for sowing broadcast, good for stock or table use,	.05	.10	.20	.60
IMPROVED GOLDEN BALL,—An excellent table variety, round, yellow fleshed, sweet and solid,	.05	.10	.20	.60
WHITE EGG,—Good yielder, flesh firm, fine grained and sweet,	.05	.10	.20	.60
YELLOW ABERDEEN,—Flesh pale yellow, tender, fine flavored,	.05	.10	.20	.50
YELLOW GLOBE,—Good for general crop, grows large, good keeper,	.05	.10	.20	.50
YELLOW STONE,—Good table variety, good keeper,	.05	.10	.20	.50

"Our Seeds are Northern Grown, None Better at Any Price."

TURNIP—(Continued)—*Ruta Baga or Swedish Varieties*



IMPROVED AMERICAN PURPLE TOP,—

The favorite yellow fleshed winter turnip,
5c pkt., 10c oz., 25c $\frac{1}{4}$ lb., 65c lb.

LAING'S SWEDE,—An early *Ruta Baga*,
good for table or stock, 5c pkt., 10c oz.,
20c $\frac{1}{4}$ lb., 60c lb.

LONG ISLAND PURPLE TOP,—One of the
best, flesh yellow, solid, sweet, 5c pkt., 10c
oz., 20c $\frac{1}{4}$ lb., 60c lb.

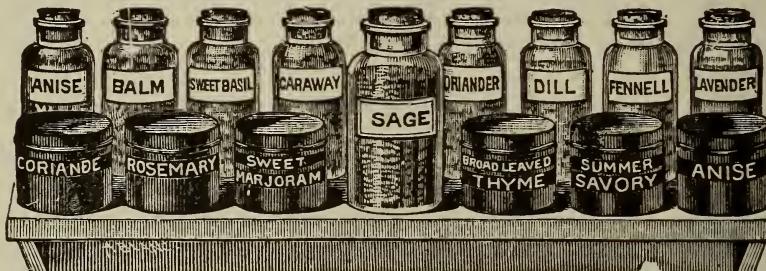
SHAMROCK SWEDE,—An excellent yellow
fleshed variety, 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb.,
60c lb.

SKIRVING'S PURPLE TOP,—Yellow fleshed,
good for stock or table use, 5c pkt., 10c
oz., 20c $\frac{1}{4}$ lb., 60c lb.

WHITE SWEDE,—A superior white fleshed
variety, 5c pkt., 10c oz., 20c $\frac{1}{4}$ lb., 60c lb.

WHITE SWEET GERMAN,—A fine sweet
winter variety, good keeper, 5c pkt., 10c
oz., 20c $\frac{1}{4}$ lb., 60c lb.

HERBS

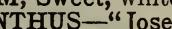


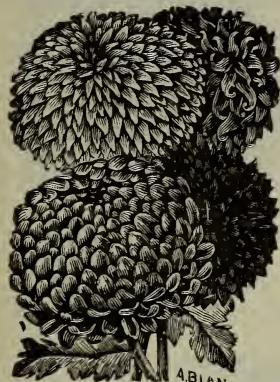
	Pkt.	Oz.
ANISE,—For garnishing and flavoring.....	.05	.15
BALM,—Used for making balm tea.....	.10	.25
CARAWAY,—For flavoring.....	.05	.10
CORIANDER,—For flavoring.....	.05	.10
DILL,—For flavoring.....	.05	.15
HOREHOUND,—Used for its tonic properties.....	.05	.30
LAVENDER,—Leaves very fragrant.....	.10	.60
ROSEMARY,—Leaves very fragrant.....	.10	.50
RUE,—Used for medicinal purposes.....	.10	.40
SAGE,—A medicinal and flavoring herb.....	.10	.25
SWEET BASIL,—Leaves used for flavoring.....	.05	.20
SWEET FENNEL,—Seeds aromatic.....	.05	.10
SWEET MARJORAM,—Used for seasoning.....	.05	.40
SUMMER SAVORY,—Used for seasoning.....	.05	.25
THYME,—Used for seasoning.....	.10	.40
WORMWOOD,—Used for medicinal purposes.....	.10	.30

"Our Seeds are Northern Grown, None Better at Any Price."

FLOWER SEEDS

STANDARD VARIETIES.
Those marked # are climbers

 <p>ALYSSUM, Sweet, white, very fragrant, annual, AMARANTHUS—“Joseph’s Coat,”—Ornamental foliage plant, easily cultivated, very showy, annual, mixed, ANTIRRHINUM, —“Snap Dragon,”—Half hardy perennial. An old favorite border plant, blooms the first season, but the flowers are stronger the second year, grand for cutting.</p>	.05 .05 .05
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Asters

	Aster BALSAM, (Lady Slipper)	CHINA, Mixed Colors, —Mixed Double—An old favorite summer garden annual,	.05
		BACHELOR BUTTON,—See Centaurea and Globe Amaranth.	
		CALLIOPSIS OR COREOPSIS,—Mixed Col- ors,—Showy summer bedding annuals, pro- ducing a profusion of every shade of yellow, orange, crimson, red and brown.	.05
	CAMPANULA,—Canterbury Bells,—“Cup and Saucer.” The finest variety with white and blue flowers, resembling a cup and saucer, hardy perennial,		.10
	#CANARYBIRD VINE,—Yellow flower, rapid climber,		.10
	CANDYTUFT,—Mixed Annual,—For massing in beds or borders, fine for cutting,	.05	.25
	CANDYTUFT,—White—	.05	.25
	CARNATION MARGUERITE.—Finest Mixed.		



Calliopsis

These beautiful flowers are very fragrant, great favorites, comparatively easy to cultivate,

CARNATION GIANT MARGUERITE,—Finest Mixed,	.10
CASTOR OIL PLANT,—See Ricinus.	
CELOSIA OR COCKSCOMB,—Glasgow Prize,—Popular annuals of easiest culture,	.10
CELOSIA,—Mixed,	.10
CENTAUREA, — “Bachelor Buttons,” — Mixed, a very old favorite garden annual,	.05
CLARKIA,—Hardy Annual,—Mixed,	.05
#COBAEA SCANDENS,—Mixed rapid growing climber, flowers large and bellshaped, plant seeds edgewise, cover lightly,	.10
COLUMBINE,—Double Mixed.—A most desirable border plant,	.05
#CONVOLVULUS MAJOR,—Tall Morning Glory. A rapid free flowering climber,	.05
CONVOLVULUS MINOR,—Dwarf Morning, Glory,	.20
COSMOS,—Extra early fancy mixed,—One of the notable fall flowers,	.05
#CYPRESS VINE,—Mixed,—Summer climbing annual with feathery foliage and star-shaped flowers, borne in clusters,	.10
DIANTHUS. OR PINKS.—	.05



Dianthus Chinensis

DIANTHUS, OR PINKS.—The Dianthus is one of the most beautiful and satisfactory of the garden annuals; they are unrivaled for brilliancy and profusion of bloom.
DIANTHUS CHINENSIS.—China Pink.—Mixed double, 5c pkt.

"Our Seeds are Northern Grown, None Better at Any Price."

FLOWER SEEDS—(Continued)

DIANTHUS HEDDEWIGII,—Japan Pink,—

Mixed Double, 5c pkt.

#**DOLICHOS**,—Hyacinth Bean,—Mixed annual climbing plant of rapid growth, 5c pkt.

ESCHSCHOLTZIA,—"California Poppy",—Mixed single, very attractive for edgings or masses, large handsome flowers of yellow, orange and white, 5c pkt.

FORGET-ME-NOT,—"Myosotis"—Mixed, bears clusters of lovely small flowers,—hardy perennial, 10c pkt.

FOUR O'CLOCK,—See Marvel of Peru.

GAILLARDIA,—Mixed, exceedingly beautiful annuals, blossoms from early summer until frost, unrivalled for cutting, 5c pkt.

GLOBE AMARANTH,—Mixed, a species of Bachelor Button, very ornamental, a summer blooming plant, 5c pkt.



Dianthus Heddewigii

HELIOTROPE,—Finest mixed,—Deliciously fragrant flowering plant, tender perennial, 10c pkt.



Eschscholtzia

HOLLYHOCK,—Double mixed,—choice, 10c pkt.

HYACINTH BEAN,—See Dolichos.

LARKSPUR,—Double dwarf rocket, mixed,—Free flowering hardy annuals, flowers borne in long spikes, 5c pkt.

LOBELIA,—Erinus, mixed, a trailing plant, producing bright blue, white or rose flowers, 5c pkt.

LOVE-IN-A-MIST,—"Nigella,"—Dwarf, double, foliage feathery, with white or blue flowers, pretty annuals, 5c pkt.

MARIGOLD,—Double African Mixed,—Very effective for groups and masses; a favorite annual, 5c pkt.

MARIGOLD,—Double French Dwarf,—Mixed, 5c pkt.

MARVEL OF PERU,—"Four O'-

Clock,"—Mixed, beautiful summer blooming annual of bushy habit, large flowers of white, yellow, crimson and striped, 5c pkt.

MIGNONETTE,—Large flowering, the common sweet mignonette, very fragrant, 5c pkt. 15c oz.

MIGNONETTE MACHET, The Dwarf French variety, with broad spikes of fragrant red flowers, one of the best varieties for outdoor culture, 10c pkt. 75c oz.



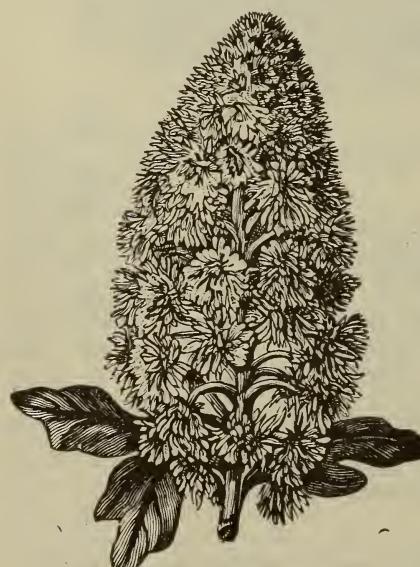
Double African Marigold

MIGNONETTE,—Defiance,—Produces mammoth spikes deliciously fragrant, one of the best for indoor culture, 10c pkt., 80c oz.

MYOSOTIS,—See Forget-me-not.

#**JAPANESE IMPERIAL MORNING GLORY**,—Mixed, rapid climber, producing mammoth flowers; great variety of coloring, 5c pkt.

MORNING GLORY,—See Convolvulus.



Mignonette Machet

"Our Seeds are Northern Grown, None Better at Any Price."

FLOWER SEEDS—(Continued)

#NASTURTIUM,—Tall, finest mixed, beautiful and luxuriant climber, of easiest culture, flowering until frost comes, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

NASTURTIUM,—Dwarf, finest mixed, very popular and showy for masses and border, 5c pkt., 15c oz., 30c $\frac{1}{4}$ lb., \$1.00 lb.

NICOTIANA,—*Affinis*,—Very fragrant, 5c pkt.

PETUNIA,—Single large flowering, mixed, many beautiful colors and combinations, 5c pkt.

PETUNIA,—Double large flowering, mixed, a magnificent strain, very beautiful shades, 50c pkt.

PANSIES

HOWARD'S EXTRA LARGE-FLOWERED CHOICE MIXED PANSIES,—This is a very choice strain of Pansy seed, and under proper cultivation produces mammoth flowers of the most beautiful colors, 25c pkt.



Howard's Extra Large Flowered Choice
Mixed Pansies. Pkt. 25c.

PONTULACA,—Double, these make perfectly gorgeous masses of color, 10c pkt.

RICINUS,—Castor Oil Plant, mixed, rapid growing foliage, annual, palm leaves, 5c pkt., 25c oz.

SALPIGLOSSIS,—Large flowering mixed, a beautiful flowering annual, bearing large flowers of many pretty colors, 10c pkt.

SALVIA SPLENDENS, Bonfire,—Perennial but blooms the first season, bright scarlet, fine for bedding, 10c pkt.

SCABIOSA,—Mourning Bride, Showy border plant. Dwarf, double mixed, 5c pkt.

STOCKS,—Large Flowering Ten Weeks, mixed, highly fragrant, very pretty and a deservedly popular annual, 10c pkt.

SUNFLOWER,—Double Dwarf, 5c pkt.

SUNFLOWER,—Mammoth Russian, 5c pkt., 10c qt.

ENGLISH FINEST MIXED,—10c pkt.

GOOD MIXED,—5c pkt.

PHLOX—Drummondii-grandiflora mixed, for beds and massing nothing can surpass these beautiful annuals, 5c pkt.

PHLOX,—Dwarf or nana compacta, mixed, these form little round compact bushes about six inches high, thickly studded with flowers, 10c pkt.

PINKS,—See Dianthus and Carnation.

POPPIES,—Single Mixed, great variety of colors, very showy, 5c pkt.

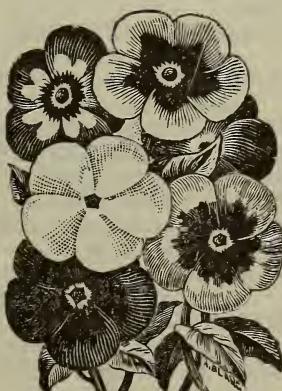
POPPIES,—California—See Eschscholtzia.

POPPIES,—Mixed carnation flowered, 5c pkt.

POPPIES,—Iceland Mixed, 10c pkt.

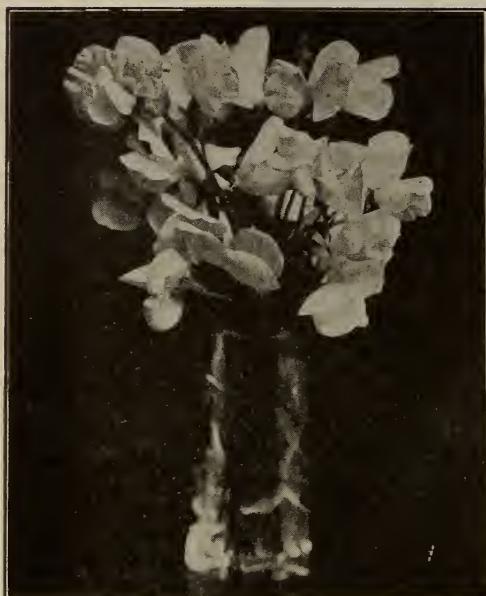
POPPIES,—Shirley Finest Mixed,—Extra Fine strain, 10c pkt.

PONTULACA,—Single mixed, brilliant dwarf annuals, 6 in. high, for low beds and masses of color they are indispensable, 5c pkt.



Phlox-Drummondii

FLOWER SEEDS—(Con.) SWEET PEAS



Our list of Sweet Peas has been carefully revised with a view of keeping it strictly up to date. Should you miss some old favorite in the list, it has been discarded in favor of an improved sort. White seeded varieties should not be sown until the ground is comparatively dry and warm. If sown under wet and cold conditions the seed may rot in the ground. With few exceptions Sweet Peas are black seeded and do not appear to be affected like the white seeded sorts.

Pkt. Oz. $\frac{1}{4}$ Lb. $\frac{1}{2}$ Lb. Lb.

APPLE BLOSSOM,—					
Blush White, .05	.15	.40	.75	\$1.25	
BLACK KNIGHT,					
—Very deep maroon shaded black, .05	.15	.40	.75	1.25	
BLANCHE BURPEE,—					
Superb, is pure white, .05	.15	.40	.75	1.25	
BLANCHE FERRY,—					
Pink and white wings, .05	.15	.40	.75	1.25	
COUNTESS OF RADNOR —Delicate lavender, .05	.15	.40	.75	1.25	
DOROTHY ECKFORD ,—Pure, white, beautiful large flowers, .05	.15	.40	.75	1.25	
HON. MRS. E. KENYON ,—The finest primrose yellow, .05	.15	.40	.75	1.25	
JANET SCOTT ,—A grand deep rich pink, .05	.15	.40	.75	1.25	
KING EDWARD VII ,—Bright crimson splendid, .05	.15	.40	.75	1.25	
LADY GRISEL HAMILTON ,—A grand pale lavender, .05	.15	.40	.75	1.25	
LORD NELSON ,—The richest deep navy blue, .05	.15	.40	.75	1.25	
MISS WILMOTT ,—Brilliant orange pink, very large, .05	.15	.40	.75	1.25	
MRS. WALTER WRIGHT ,—An exquisite shade of mauve, .05	.15	.40	.75	1.25	
PRINCE OF WALES ,—The finest bright rose, .05	.15	.40	.75	1.25	
QUEEN ALEXANDRA ,—Bright scarlet, red, almost true scarlet .05	.15	.40	.75	1.25	
HOWARD'S CHOICE SPECIAL MIXTURE , of selected, named and Spencer varieties. .05	.10	.30	.60	1.00	
MIXED COLORS ,—Fine Mixture, .05	.10	.20	.40	.65	

SPENCER VARIETIES—Sweet Peas

These are noted for their unusually large-sized flowers and for the waved or fluted appearance of the petals. They are frequently referred to as "Orchid-flowering" Sweet Peas.

COUNTESS SPENCER ,—A lovely soft rose-pink, shading deeper at the edges, .10	.25	$\frac{1}{4}$ Lb. .75
FLORENCE MORSE SPENCER ,—Delicate blush, with pink margin very large, .10	.25	.75
FLORENCE NIGHTINGALE ,—Largest and finest pure lavender, .10	.30	1.00
KING EDWARD SPENCER ,—Bright Crimson Scarlet, .10	.25	.75
PRIMROSE SPENCER ,—The finest primrose-yellow, .10	.25	.75
WHITE SPENCER ,—A pure wavy white, very large, .10	.25	.75
SWEET WILLIAM ,—Single mixed, an old favorite, rich variety of color, deliciously sweet scented, 5c pkt. .10	.25	.75
VERBENA ,—Finest mixed, for garden beds or massing, the verbena is unrivaled; flowers from spring until late in autumn, 10c pkt.		
WALLFLOWER ,—Double large flowering mixed, exquisitely fragrant, long spikes of double flower, hardy perennial, 10c pkt.		
WILD FLOWER GARDEN ,—A mixture of popular annuals, very pleasing for children's flower bed, 5c pkt.		
ZINNIA ,—Double mixed, very showy, free flowering, hardy annual, 5c pkt.		

BIRD SEEDS

CHOICE MIXED , per lb.	14c	2 lbs. 25c	
CANARY ,—Choice Sicily,	14c	2 lbs. 25c	
HEMP ,	14c	2 lbs. 25c	
MILLETT ,—per lb.	10c	3 lbs. 25c	

VEGETABLE ROOTS

ARTICHOKE JERUSALEM ,			25c qt.
ASPARAGUS ROOTS ,—See page 2.			
CHIVES ,			25c per bunch
HORSE RADISH ROOTS ,—Cut in pieces.			20c per doz., 75c per 100
TARRAGON PLANTS ,			35c each, \$3.50 per doz.

**List of GRASSES and CLOVER Adapted to this Climate
PRICES SUBJECT TO MARKET CHANGES**

	Weight Per Bushel.		Weight Per Bushel.
CANADA BLUE GRASS ,—Valuable for dairy pastures, 30 lbs. to acre,	14 lbs.	SWEET VERNAL TRUE PERENNIAL ,—Emits an agreeable odor, which it imparts to the hay, 3 lbs. to acre with other grasses,	10 lbs.
CREEPING BENT GRASS ,—Excellent for lawns, succeeds well in most situations, 60 lbs. to acre, 20 lbs.		TALL MEADOW FESCUE ,—Very early, nutritive and productive. Should form a portion of all pastures on wet or clay soils, 40 lbs. to acre,	14 lbs.
ENGLISH RYE GRASS ,—A valuable grass, 60 lbs to acre,	24 lbs.	TALL MEADOW OAT GRASS ,—Recommended for soiling, being rapid and luxuriant in its growth 50 lbs. to acre,	10 lbs.
HARD FESCUE ,—A dwarf growing grass of great value, succeeding well in dry situations, 30 lbs. to acre,	12 lbs.	TIMOTHY OR HERD GRASS ,—The most important of hay grasses. The seed we offer is of the very highest quality, 25 lbs. to acre,	45 lbs.
HUNGARIAN GRASS ,—Is a valuable annual forage plant, 1 bushel to the acre,	48 lbs.	VARIOUS LEAVED FESCUE ,—Valuable for permanent pasture, especially on high altitudes, 40 lbs. to acre,	14 lbs.
ITALIAN RYE GRASS ,—Thrives in almost any soil and yields early and abundant crops, 50 lbs. to acre,	18 lbs.	WOOD MEADOW GRASS ,—Of early growth, thriving well under trees,	14 lbs.
KENTUCKY BLUE GRASS ,—Fancy, valuable for lawns and pastures, 50 lbs. to acre,	14 lbs.	ALFALFA OR LUCERNE ,—In light soils, particularly in southern altitudes, it is invaluable,	60 lbs.
MEADOW FESCUE ,—Of great value in mixtures for permanent pastures, 50 lbs. to acre,	22 lbs.	ALSIKE OR HYBRID CLOVER ,—Equal in nutritive value to the Red or Pea Vine Clover, and excellent for land that is clover-sick,	60 lbs.
MEADOW FOXTAIL ,—Is the principal grass in all rich, natural pastures, 30 lbs. to acre,	7 lbs.	MAMMOTH RED OR PEA VINE CLOVER ,—	60 lbs.
ORCHARD GRASS ,—One of the most valuable grasses either for pasture or hay, 4 bushels to acre, 14 lbs.		RED CLOVER MEDIUM ,—	60 lbs.
RED TOP GRASS ,—In chaff, 4 bushels to acre,	14 lbs.	SCARLET OR CRIMSON CLOVER ,—Sow in July or August for mowing the ensuing Spring,	60 lbs.
RED TOP GRASS, FANCY ,—Or extra re-cleaned seed, 32 lbs. to acre, 32 lbs.		SWEET CLOVER ,—Grown for Bee food and as a Fertilizer,	60 lbs.
RHODE ISLAND BENT GRASS ,—A very fine variety for lawns, 60 lbs. to acre,	14 lbs.	WHITE CLOVER ,—Should be used in all mixtures for permanent pasture and for lawns,	60 lbs.
ROUGH STALKED MEADOW GRASS ,—Valuable for pastures and meadows, particularly on damp soil, 30 lbs. to acre,	14 lbs.		
SHEEP'S FESCUE ,—Short and dense in growth, excellent for sheep pastures, 40 lbs. to acre,	12 lbs.		

OUR SPECIAL GRASS MIXTURE FOR PASTURES,—Usual quantity sown to the acre, 3 bushels. Per bushel of 14 lbs., \$3.00.
We recommend sowing separately from this, 10 lbs. mixed clover per acre.
OUR SPECIAL GRASS MIXTURE FOR HAY—On ordinary soils use 3 bushels per acre. In ordering state whether soil is dry, medium or wet. Per bushel of 14 lbs., \$3.00.

"Our Seeds are Northern Grown, None Better at Any Price."

GRAINS—Price According to Market

BARLEY,—2 or 4 rowed, Choice Montana, price variable, per bushel 48 lbs.

BARLEY,—York State,—Fancy, Market price.

BUCKWHEAT,—Silver Hull—48 lbs. per bushel. Japanese, 48 lbs. per bushel.

OATS,—Choice White—32 lbs. per bushel.

OATS,—White Swedish,—Selected,—These oats give excellent satisfaction, straw is strong, not apt to lodge, yield very heavy, per bushel 32 lbs. Price per bushel \$1.75, subject to change.

OATS,—White Swedish,—Regenerated, Selected Canadian grown—the very highest grade, supply limited, per bushel \$2.00.

RAPE,—Dwarf Essex,—In drills 5 lbs. to acre, broadcast 10 lbs. to acre, per lb. 15c., per 100 lbs., \$10.00. Subject to market changes.

RYE,—Spring.—For sowing in the spring, 56 lbs. per bushel.

RYE,—Winter,—For fall sowing, 56 lbs. per bushel.

VETCHES,—Spring Tares,—60 to 100 lbs. to acre, prices variable.

VETCHES,—Sand Winter, a Hairy Vetch,—30 to 50 lbs. to acre, prices variable.

WHEAT,—Spring,—60 lbs. per bushel. Winter,—60 lbs. to bushel.

HUNGARIAN GRASS,—One of the most valuable soiling plants, excellent for green fodder or hay, yields enormously; sow from June to August, 48 lbs. per bushel. 1 to 1½ bushels per acre. Market price.

MILLET,—German or Golden,—Similar to above, flower stem more branching, 50 lbs. per bushel. Market price.

MILLET,—Japan,—Barnyard (Crus-galli). Exceedingly heavy yielder, requires very rich soil. 20 lbs. to 30 lbs. to the acre. Per lb. 12c., per 100 lbs. \$10.00, subject to change.

FLAX,—Extra re-cleaned, per lb. 12c.,
Special prices on larger quantities.

LAWN GRASS SEED

OUR LAWN GRASS SEED is a specially reliable mixture of fine growing grasses, entirely free from weed seeds and can be depended on to produce a perfect, velvety green turf if properly sown and cared for. Quantity required per acre, 4 bushels. Price per quart, 25c., 1-2 peck, 85c., peck, \$1.50, bushel, \$5.50.

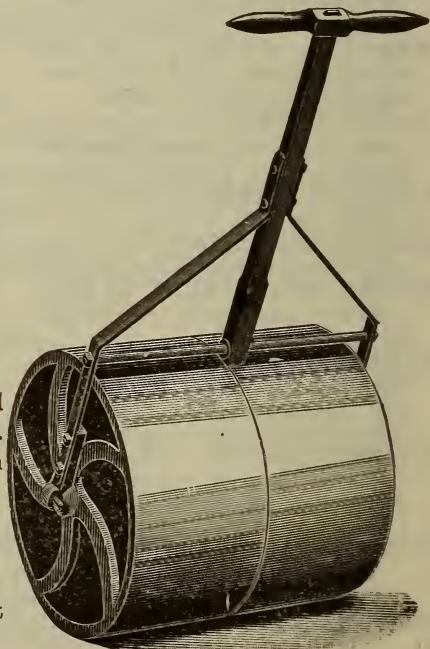
ALL PRICES
IN THIS CATALOG
SUBJECT TO CHANGE
WITHOUT NOTICE

REPAIRING LAWN MOWERS

We repair and sharpen Lawn Mowers of all kinds, putting them in first-class working order. Should any be sent to us that are too nearly worn out to repair, we will so advise.

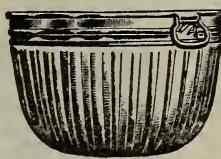
LAWN AND GARDEN ROLLER

Two Sections, each 12x24 inches, weight about 450 lbs. Price \$22.00.



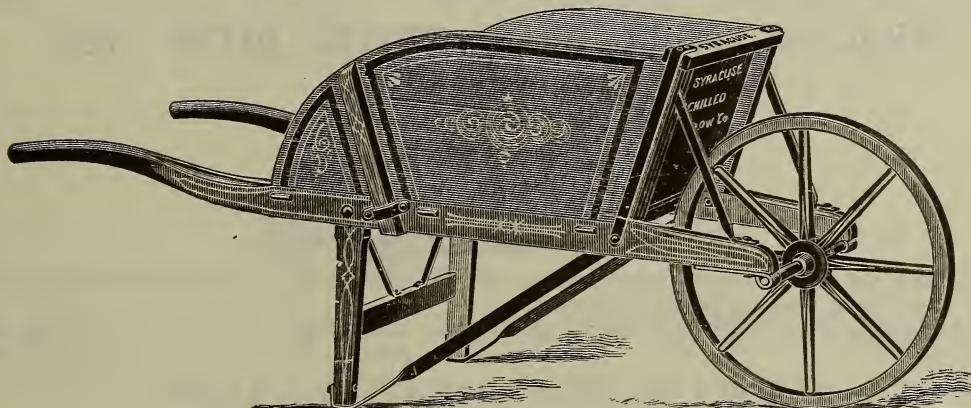
"Our Seeds are Northern Grown, None Better at Any Price."

BASKETS



Vegetable handles over, No. 1, 18x11x6	\$.50	One bushel Metallic, Heavy,	1.25 and 1.50
" " " 2, 20x12x6 1/2	.65	1 1/2 " " "	2.00
" " " 3, 22x14x7	.85	Two " " "	2.25
" " " 4, 24x14x9	1.25	Cheap Diamond Market.....	.10c to .20
Picking Drop Bail.....	.35c and .65	Covered Cheap Diamond Market.....	.10c to .35
Berry—One quart standard—market price.		One bushel, Common Stave.....	.35
Oblong or Stable (cut under handles)	.65	" " Hand made Oak or Ash 1.25, 1.50 and 1.65	
" " " "	.85	1 1/2 bushel Handmade Ash,	2.25
		Two " " "	2.50

FEDERAL GARDEN BARROW



A strong, well-made Garden Barrow, nicely painted.

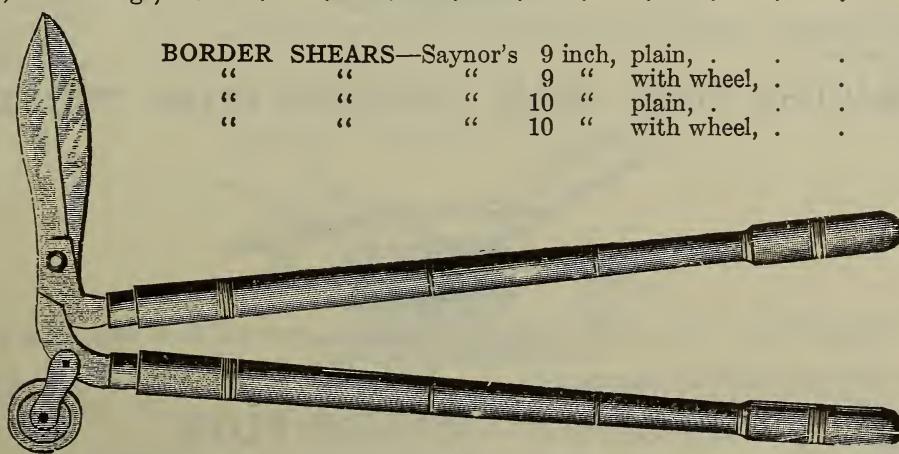
	PRICE
Boys'	\$4.00
Common Size,	5.00
Large Size,	6.00

OUR CUSTOM GARDEN BARROW

Very strong, heavily ironed—and the best barrow we know of.

No. 4, Medium,	\$5.50
No. 5, Large,	7.00
No. 6, Extra Large,	8.50

BORDER SHEARS—Saynor's 9 inch, plain,	\$3.00
" " " 9 " with wheel,	3.50
" " " 10 " plain,	3.50
" " " 10 " with wheel,	4.00



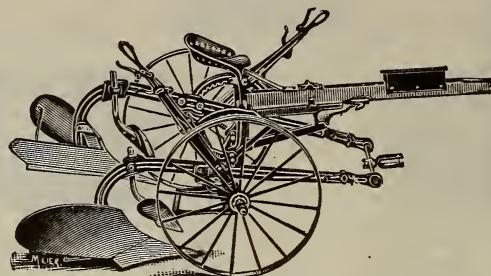
HEDGE SHEARS.

"Saynor's" 9 inch,	\$2.25
"Saynor's" 10 inch,	2.75
Notched to cut $\frac{1}{2}$ in. branches, extra,	.25

BRANCH OR LOPPING.

"English," medium,	\$3.00
"English," heavy,	3.75
American,	1.25 and 3.50

SYRACUSE REVERSIBLE SULKY PLOW



One of the best reversible Sulky Plows made, either for Hillside or Level land. Equipped with Foot Trip which operates power lift, also Foot Regulated Pole Shift, can be used with either two or three horses.

No. 31-39 is the popular size.

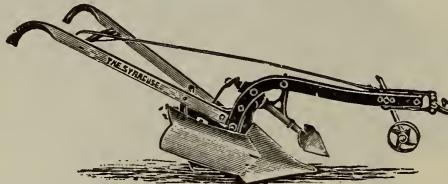
Price 2-Horse equipment,

\$70.00

Price 3-Horse equipment,

75.00

SYRACUSE STEEL BEAM SWIVEL PLOW "822"



This Plow will certainly please you, it is light yet very strong, has ample throat capacity and close-fitting joints to prevent clogging.

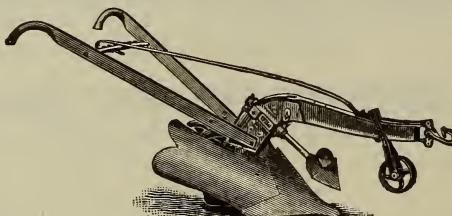
Price complete with Wheel and Jointer, and chilled mouldboard,

\$21.40

" " " " " " steel "

23.40

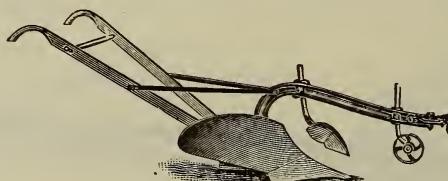
SYRACUSE NO. 60 SWIVEL PLOW



An excellent working Plow, well-made, strong and reliable.
Price complete,

\$20.40

SYRACUSE STEEL BEAM LANDSIDE PLOW "NO. 31"



A splendid Plow. If you have difficult land to turn, this will do it when other Plows fail.

Price complete with Steel mouldboard,

\$22.65

HILLSDALE LANDSIDE PLOW

A very good Low-Priced, Two-horse Plow, Cast Beam.
Price Plain,

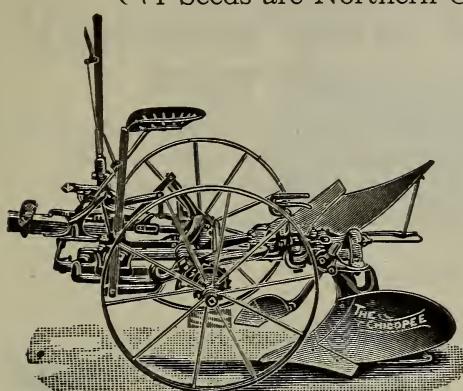
\$8.40

Price with Wheel,

\$9.00

"Our Seeds are Northern Grown, None Better at Any Price."

The CHICOPEE REVERSIBLE SULKY PLOW



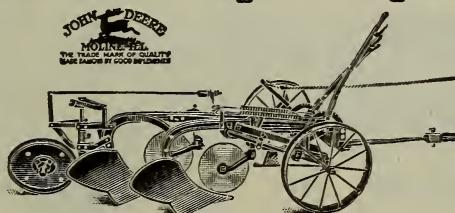
An excellent reversible Sulky Plow, easily handled, strong and does splendid work on either hillside or level land.

Price complete with Jointers, \$70.00

The John Deere Two-Way Sulky Plow

One of the standard reliable sulky plows, }
No. 1441C No. 1341C } Weight 652. . . Price \$70.00 and \$75.00

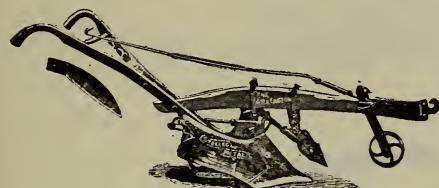
John Deere Engine Gang Plow



With High and Level Power Lift and quick detachable shares.

No. M. P. 214C—2 Bottom 28 in. cut, weight 790 lbs., Third Bottom and Beam Attachment, Price \$125.00
" " 45.00

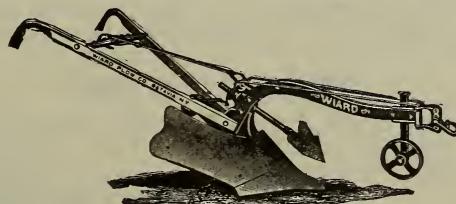
The Arlington Swivel Plow with Joiner



This is one of the best Swivel Plows ever offered to the farmers of Berkshire County. They are very easy for the team and for the man,—are a strong plow, and do nice work. Made either with wood or steel beam. The No. 29 with Wood Beam is the Favorite.

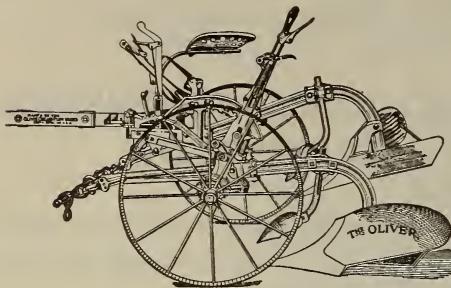
No. 30, Large Two-Horse, complete with Wheel and Joiner, 135 lbs.,	\$18.50
No. 29, Medium Two-Horse, complete with Wheel and Joiner, 125 lbs.,	17.50
No. 27, One-Horse, complete with Wheel and Cutter,	12.75
No. 27, One-Horse, complete with Wheel Only,	10.75

WIARD SWIVEL PLOW



A good Plow, with an excellent reputation and capable of doing first-class work.

No. 120, with Steel Beam and Steel Mouldboard, with Wheel and Joiner,	\$19.50
No. 120, with Steel Beam and Cast Mouldboard, " " " "	18.00
No. 126, with Steel Beam and Steel Mouldboard, " " " "	21.50
No. 126, with Steel Beam and Cast Mouldboard, " " " "	20.00



THE OLIVER REVERSIBLE SULKY PLOW

A very reliable "two-way" sulky plow, strong, easily operated, does excellent work.

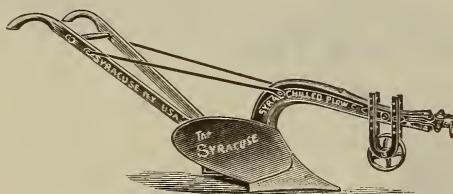
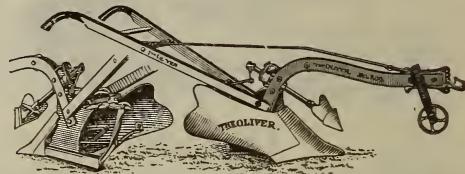
No. 23A—83D is the popular size.

Price \$70.00 and \$75.00.

OLIVER SWIVEL PLOW

A Practical Plow

No. 508, complete,	\$21.00
No. 509, "	23.00

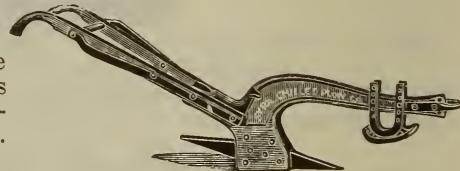


CONTRACTOR'S PLOW, NO. 1

Heavy beam, point and strip. Made especially for grading purposes. Weight 200 lbs. Two or four horses. Price, with wheel, \$22.00

PAVEMENT PLOW, NO. 98

A favorite with contractors. Has reversible crucible steel point, loop handle wear irons built for hard work, such as tearing up cobblestones and macadam. Four or six horses. Weight 280 lbs., \$33.00



TRUSS BEAM GRADING PLOW, No. 99



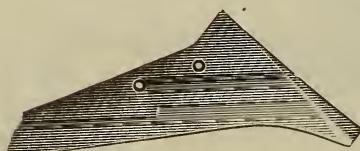
For severe grading purposes in shale or hard pan. Four or eight horses. Weight 310 lbs. \$42.00.

THE ARMSBY LANDSIDE PLOW

Wood Beam and Cast Mouldboards. For light work we recommend this plow. No. 1, Small One-Horse, \$5.50. No. 2, Medium One-Horse, \$6.50. No. 3, Large \$7.75.

SUBSOIL PLOW

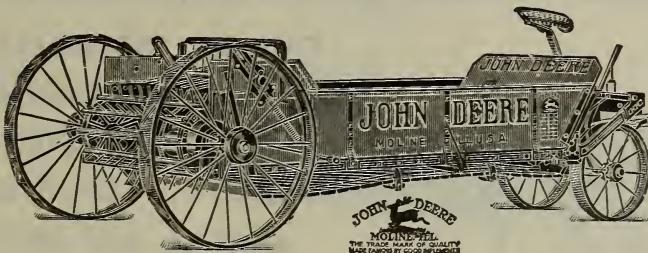
The Subsoil Plow follows in the furrow of the plow, turning the surface soil. No. 1, Two-Horse, with draft rod, \$11.25; with draft rod and wheel, \$13.00.



PLOW REPAIRS

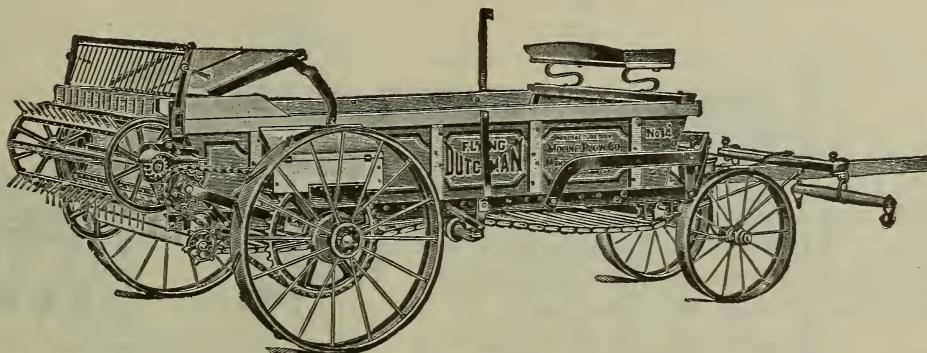
WE CARRY A LARGE STOCK OF PLOW REPAIRS AND CAN FURNISH PARTS FOR ALMOST ANY PLOW EVER MADE.

THE JOHN DEERE LOW DOWN MANURE SPREADER



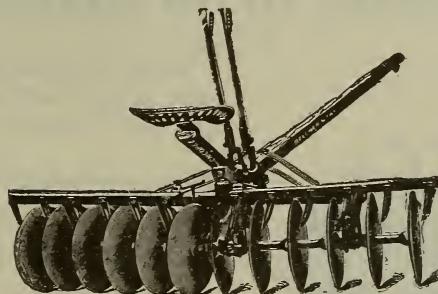
The value of having a spreader Low Down for loading is readily understood. The John Deere is not complicated, is giving splendid satisfaction. Weight of size B—2 Horse, 1813 lbs. Price \$150.00.

THE FLYING DUTCHMAN LOW DOWN MANURE SPREADER



A well made, low down Spreader, with endless apron. A very satisfactory machine. Price \$150.00.

THE CHICOPEE DISC HARROW



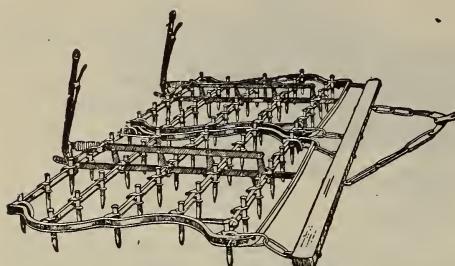
An excellent harrow, made to supply the demand for a little lighter harrow, yet capable of doing a vast amount of good work. Price Complete, with Scraper Attachment, Whiffletrees and Evener, with 16 in. discs., \$35.75. Price Complete, with Scraper Attachment, Whiffletrees and Evener, with 18 in. discs, \$39.50. Price shear cut discs, \$2.00 extra.



WALTER WOOD MANURE SPREADER

This Spreader is so arranged that it spreads much wider than the machine—a very satisfactory Spreader. Price \$150.00.

STEEL FRAME SMOOTHING HARROW



CAN BE INSTANTLY CHANGED
FROM A SMOOTHING TO A
REGULAR SPIKE TOOTH
HARROW. TEETH ARE ADJUST-
ABLE TO ANY ANGLE BY THE
LEVERS

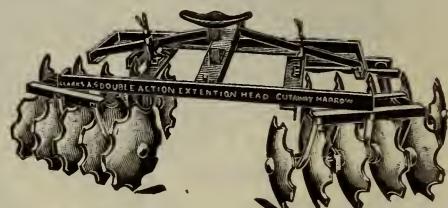
These are the **VERY BEST STEEL SMOOTHING HARROWS** manufactured, strong and well made.

Price—1 Sections, 25 teeth, \$ 9.50
Price—2 " 50 " 19.00
2 " 60 " 21.50

Price—3 Sections, 75 teeth, \$28.00

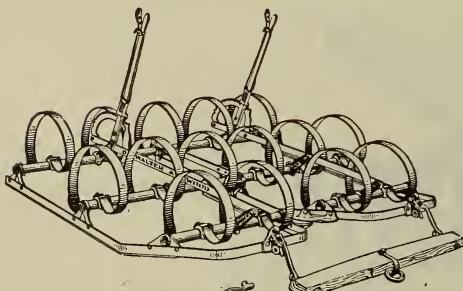
CLARK'S CUTAWAY HARROW

Clark's Cutaway Harrows are well known and hardly need description here, they are made in Double Action, that is double sets of gangs, (see cut). Regular Double Lever Cutaway, and Double Lever Solid Disc, and in many sizes, the sizes most suitable for this section are:—



Double Action, 20-16 in. Discs, \$47.00 With extension head, \$51.20.
Double Lever Cutaway, 10-16 in. Discs, 28.00

SPRING TOOTH HARROWS

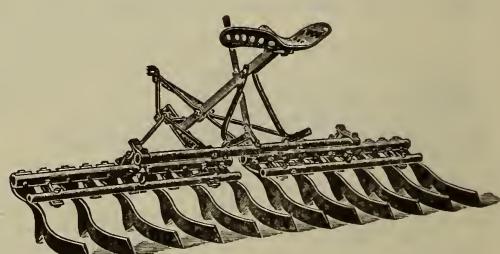


Either McCormick, Wood, or Syracuse, very strong, well made, serviceable harrows and very satisfactory, do excellent work.

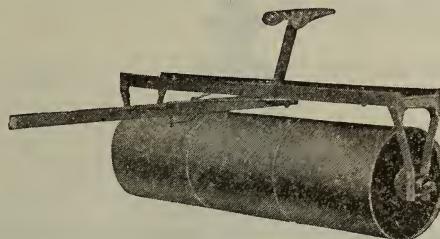
Price, 9 Tooth, One Horse,	\$11.00
" 10 " " "	11.50
" 15 " Two "	21.00
" 17 " " "	22.00

ACME PULVERIZING HARROW

The "Acme" cuts, crushes, levels, turns and smoothes at one operation, making a perfect seed bed. The No. 23 is the standard two-horse size, cuts 6 feet, 6 inches wide, weighs 130 lbs. Price \$24.00



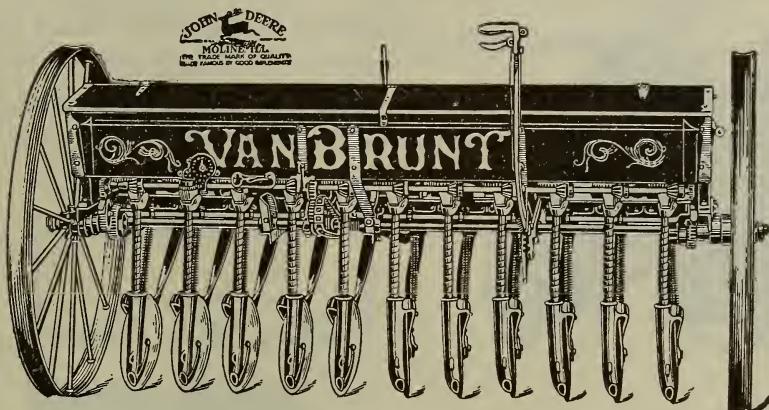
STEEL FIELD ROLLER



The drum of this roller is steel; it is 24 inches in diameter, has removable dust-proof boxes, closed ends and is an excellent one.

PRICE—3 SECTION—8 FT. 24 IN. DIAM.—\$36.00

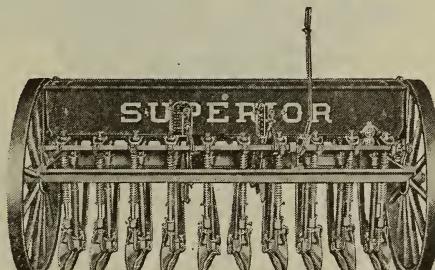
VAN BRUNT GRAIN AND FERTILIZER DRILL



This Drill sows Grain, Grass Seed and Fertilizer perfectly. It has a positive force feed, will not break the grain, is light draft, is not complicated, evenly balanced, rests lightly on the horses' necks and is fully warranted. The Disc model is now the favorite, having almost entirely displaced the hoe type. Price 10 tube Disc Drill, Complete \$120.00.

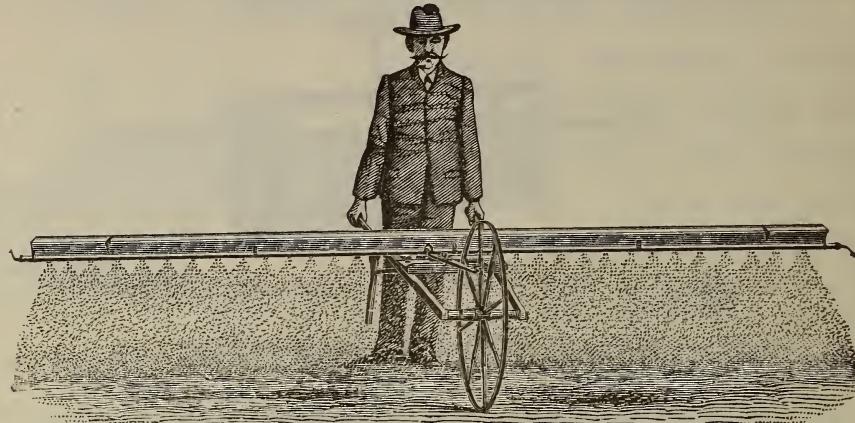
THE SUPERIOR DRILL

A most excellent Drill, sows Grain, Grass Seed and Fertilizer perfectly. Positive accurate feed. Price with steel tube 10x7 size, \$120.00



EUREKA RIDING MULCHER AND SURFACE CULTIVATOR AND GRASS SEEDER.

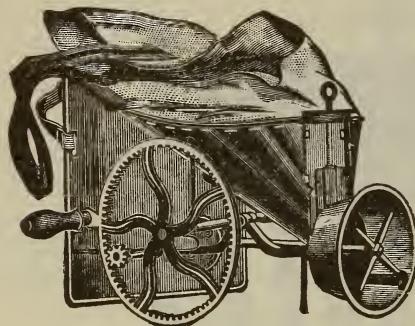
This is an excellent Weeder as well as a surface Mulcher and Cultivator. The Grass Seeder may be attached or detached quickly and is accurate.
 Price of 8 foot Mulcher and Grass Seeder, \$28.00
 Price of 8 foot Grain Seeding Box, extra, 6.00

THOMPSON'S WHEELBARROW GRASS SEEDER

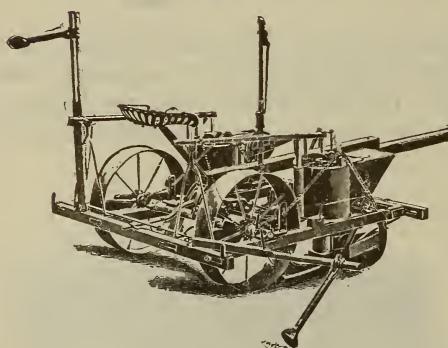
Sows any kind of Grass Seed perfectly and rapidly; width of Seeder Box 14 ft. Price \$10.00.

Cahoon Broadcast Seed Sower

Sows both Grass Seed and Grain. Price \$4.00.

**Cyclone Broadcast Seeder**

A very rapid and easily operated seed sower. Price \$2.00

**Eclipse Corn Planter
and Fertilizer Distributer**

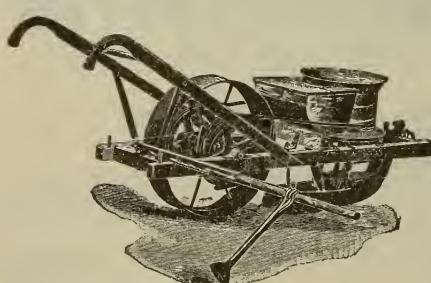
Eclipse Double Row Planter

Plants Corn, Beans, Peas, etc., perfectly, and at the same time distributes evenly the fertilizer in such a manner that it does not come in direct contact with the seed.

Price, Single Row Planter,	\$25.00
" Double Row Planter,	55.00

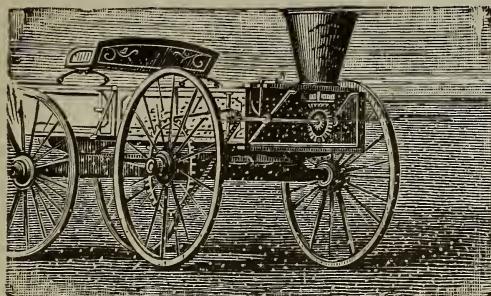
**King of Cornfield Corn Planter and
Fertilizer Sower, \$25.00**

AN EXCELLENT PLANTER—VERY SIMPLE IN CONSTRUCTION



Hand Corn Planters (Segment),	\$2.00
Corn Huskers,	15c and 25c
Corn Ties—With four feet of rope, per 100,	\$1.75

STROWBRIDGE IMPROVED Broadcast Seed and Plaster Sower



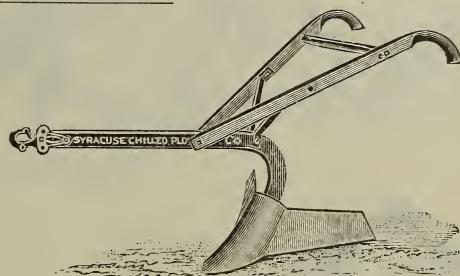
From 50 to 75 acres can be sown with one team in a day.

Oats, Rye, Barley, Buckwheat, Hungarian, Grass, Clover, Timothy, and every variety of Seed and Grain requiring broadcasting can be sown with this machine; also with care, Plaster, Lime, Salt and Fertilizers. It can be attached to any farm wagon.

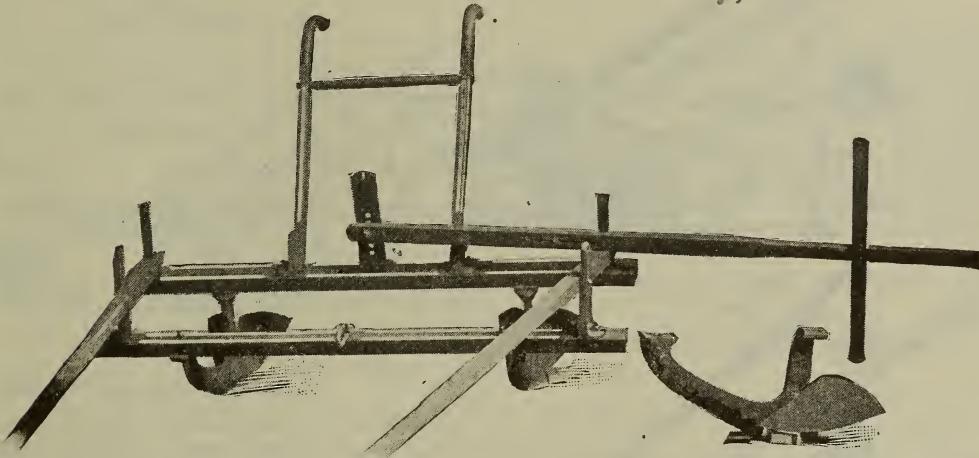
Price \$12.00

STEEL BEAM SHOVEL PLOW

Steel Point and Adjustable Steel Wings,
and the price is only, \$5.50
With Wood Beam, \$4.50



IMPROVED FURROWER AND MARKER



Marks and Furrows at the same time, adjustable to mark any width or depth. The wearing part of the runners is chilled iron, the wings are steel and the frame is oak, it is a labor-saver.

Price No. 1, makes 3 furrows at once, \$13.50. Price No. 2, makes 2 furrows at once, \$11.00.

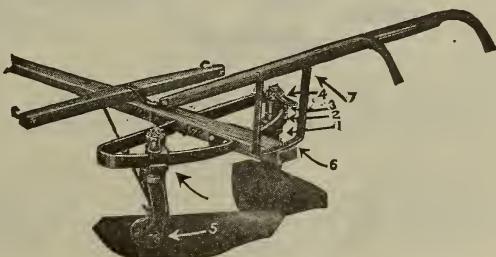
Our New Potato Ridger, Coverer and Hoe

This tool promises to displace all others for ridging and covering potatoes. It is adjustable in many ways, stands high and is especially valuable for hoeing potatoes.

PRICE WITH POLE and wings as shown, \$11.00

PRICE WITH POLE and 20 inch discs in place of wings, 14.00

USE THE QUINNIPAC AND MAPES FERTILIZERS TO RAISE NICE POTATOES.



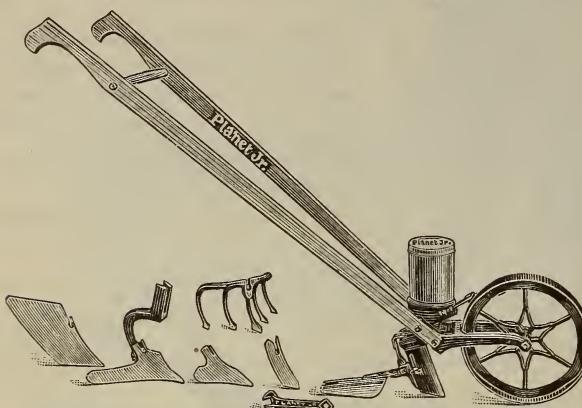
“PLANET JR.” COMBINED DRILL SEEDER AND WHEEL HOE, NO. 31

This is a combined tool of great value to the gardener who does not feel warranted in purchasing the more expensive market garden machine. It sows from 1-4 in. to 2 inches deep, all kinds of garden seeds, very accurately.

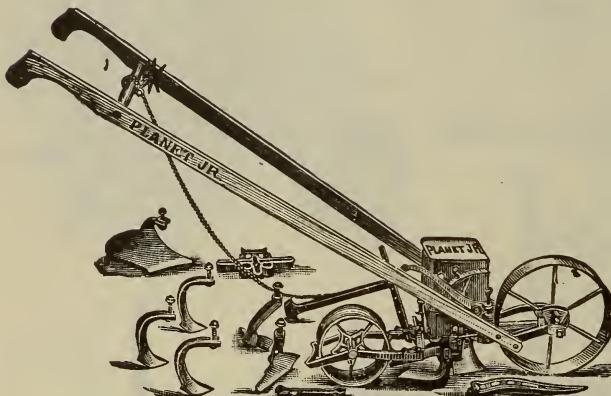
Complete it is called No. 31, price \$8.50.

As a **DRILL SEEDER ONLY**, it is known as No. 32, price \$6.00.

As a **WHEEL HOE ONLY**, it is No. 33, price \$3.75.



“PLANET JR.” NO. 4

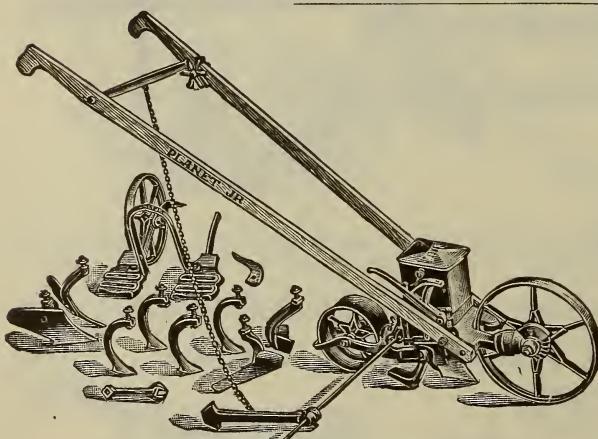


Combined Hill and Drill Seeder, Single Wheel Hoe, Cultivator and Plow

Hopper holds two and one-half quarts seed.

Price complete, - - - \$13.25

As a seeder only, - - - \$10.75



“PLANET JR.” NO. 25

Combined Hill and Drill Seeder, Double Wheel Hoe, Cultivator and Plow. Hopper holds two and one-half quarts. Substantial and accurate, two good machines in one. As a drill it is almost identical with the No. 4 Drill. As a wheel hoe it is identical with the No. 12 Double Wheel Hoe. Price \$16.00.

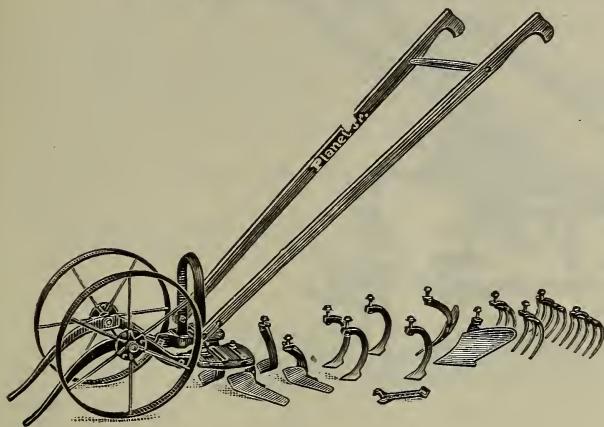
PLANET JR. NO. 30 SINGLE WHEEL HOE, CULTIVATOR PLOW, RAKE AND MARKER.—This is the single wheel hoe portion of the No. 28 Combined Seeder

Price Complete \$9.00

“PLANET JR.” NO. 17. SINGLE WHEEL HOE.

Consists of one pair 6 in. hoes, three cultivator teeth, one garden plow. Price \$6.25.
PLANET JR. NO. 66 SLIDE HOE,—Equipped with one pair 4 in. hoes and one pair 6 in. hoes. Works between or straddle the rows. Price \$3.50

No. 11 "Planet Jr." Double and Single Wheel Hoe Combined
as shown. The best combined double and single wheel hoe made.



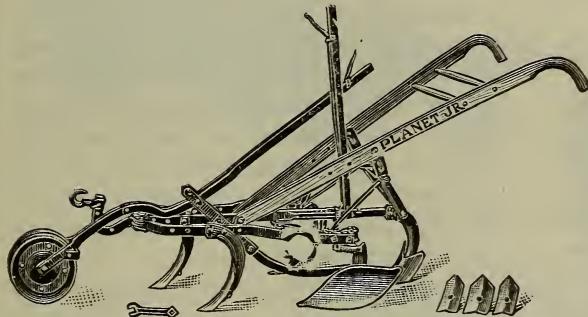
With this machine one man can do more and better work than six with ordinary hoes, Capable of almost an endless variety of changes.

Price complete, \$11.00

PLANET Jr. NO. 12, DOUBLE WHEEL HOE, CULTIVATOR AND PLOW, is identical with the No. 11 except the 4½ in Hoes and the rakes are omitted. PRICE \$8.75.

We also sell this with only the long hoes (which are shown attached in cut) and without leaf guards; this we call the Plain Double Wheel Hoe No. 13. Price \$6.00.

No. 8 "Planet Jr." All Steel Horse Hoe and Cultivator

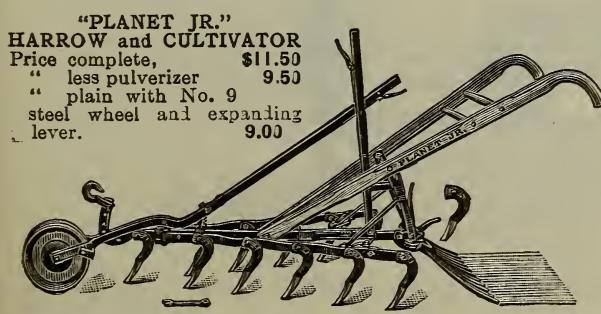


NO. 7 "PLANET JR." HORSE HOE AND CULTIVATOR—Similar to No. 8. Two levers but no depth regulator. PRICE \$11.00.

NO. 10 "PLANET JR." COMBINATION FARM AND GARDEN HORSE HOE, CULTIVATOR, FURROWER, PLOW AND VINE TURNER. PRICE COMPLETE \$15.00

Probably no other cultivating machine is so widely known as the "Planet Jr." Combined Horse Hoe and Cultivator, it is built extra long, high and strong, has lever for adjusting width, lever for adjusting wheel, which at the same time adjusts the New Depth Regulator. This prevents cultivator settling at the back end.

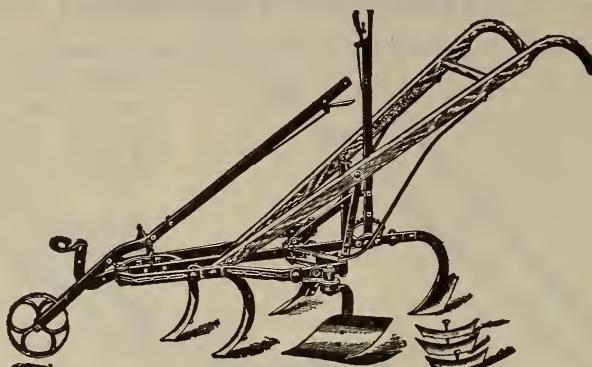
Price complete as shown with new steel wheel, \$11.50.



"PLANET JR."
HARROW and CULTIVATOR
Price complete, \$11.50
" less pulverizer 9.50
" plain with No. 9
steel wheel and expanding
lever. 9.00

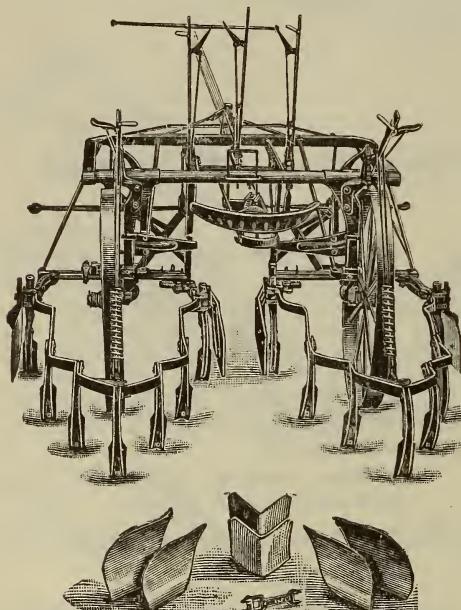
A glance at this cut will convince you that this is a thoroughly practical tool; it is what is called a Harrow, Cultivator and Pulverizer. The handles are adjustable sideways so that you need not walk on the finished work. It is adjustable from 12 to 32 inches in width, and is a special favorite with market gardeners.

ALL STEEL HORSE HOE AND CULTIVATOR



This is a good implement, not our best but a very good one for little money.
(All steel but the handles.)

Price complete with hilling wings, but without wheel lever	- - - - -	\$7.00
Price without hilling wings,	- - - - -	\$6.00
Norcross Hand Garden Cultivator	- - - - -	\$1.00



**"Planet Jr." No. 72, Two Row
Pivot Wheel Cultivator, Plow,
Furrower and Ridger, with
Spring Trip Standards**

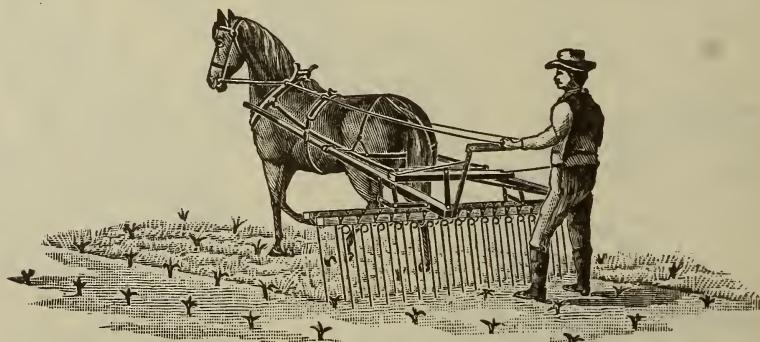
This tool is so designed that the operator can make changes in width of gauge instantly while machine is in motion, thereby adjusting it perfectly to rows varying greatly in width. Think of the saving in cultivating perfectly two rows of potatoes, beans, corn, or any crop planted in rows (any widths from 28 inches to 44 inches apart) at a single passage. It is a remarkably good tool.

Price Complete with (14) Spring Trip Standards, \$80.50

Price without Spring Trip Standards, \$70.00

Extra for Roller Bearings, \$6.00

WIARD ADJUSTABLE WEEDEER



Probably as good weeder as there is made, strong, capable of many adjustments, universally liked if used as intended. PRICE, \$10.00.

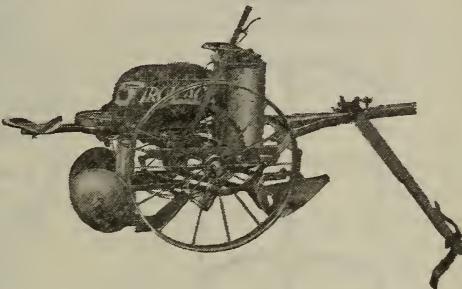
THE **IRON AGE** POTATO PLANTER

With the IRON AGE, the farmer has the comfortable assurance that his potatoes are being well planted, and the work is being done at the lowest possible cost, easily planting from four to seven acres per day.

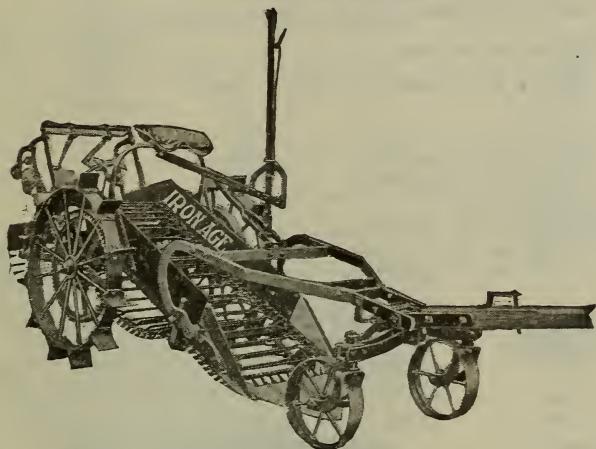
PRICE—With Fertilizer distributer and shield plow, \$100.00

Without Fertilizer distributer, with shield plow, \$90.00

Corn, Bean and Pea attachment, extra, 6.25
Leveller attachment, extra, 2.00



IRON AGE POTATO DIGGER

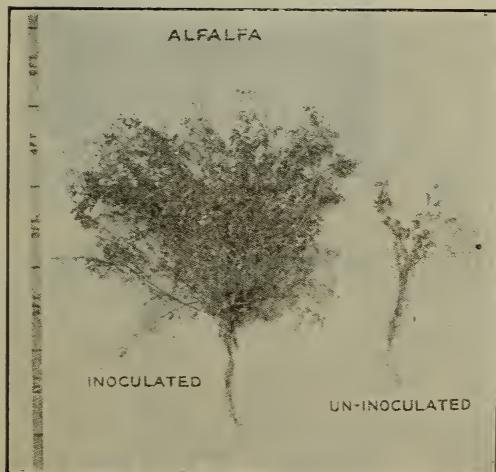


A practical digger, working well in almost all kinds of soil where it is reasonably free from weeds and grass, in fact working well under many unfavorable conditions where other diggers fail.

No. 155 Elevator Potato Digger with 4-horse equipment,	\$112.00
Extra for 3-horse Equalizer (less doubletrees),	3.75
Extra for 3-horse Equipment Complete, with Double-trees,	5.00

THE STANDARD INOCULATION **FARMOGERM**

HIGH BRED NITROGEN GATHERING BACTERIA

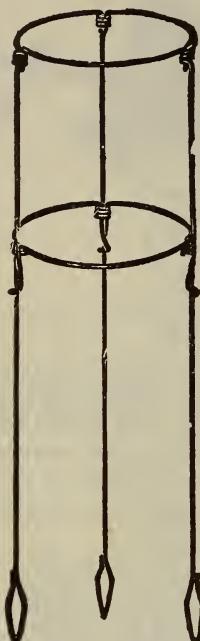


Farmogerm is nitrogen-fixing bacteria bred up to transform large amounts of nitrogen from the air into soluble nitrates. Price, Half-Garden Size, 1-8 acre, .25

Price	Garden size, 1-4 acre, .50
"	One Acre size, \$1.50
"	Five acre size, 5.00

The MODEL Extension Carnation Support.

Patented



GLASS CUTTER	25c and 35c
GLAZING POINTS, (Brads)	Pkg. 15c
" " (Zinc)	10c
" " (Peerless)	\$1.00

GARDEN REELS, large	75c, extra large	1.00
GARDEN LINES, (100 ft.) .....		.90c



THERMOMETERS

Tested, Common,	12 inch, metal case	\$1.50 and \$1.75
" .....	" ....." .....	.30
" 10 "	" ....." .....	.25
" 8 "	" ....." .....	.20
" 6 "	" ....." .....	.15
Hot Bed, guaranteed,	not guaranteed,	\$1.25
Self-registering .....	.....	\$3.50
Maple Syrup .....	.....	\$1.00

FULL LINE FANCY THERMOMETERS

BAMBOO CANES,—6 ft. long, \$1.25 per 100; 8 ft. long, \$1.75 per 100.

STAKES, SQUARE, GREEN, TAPERING.—

Each.	Doz.	Hundred
1 1/2 feet	2c	20c
2 "	4c	30c
3 "	6c	60c
4 "	8c	80c
5 "	10c	\$1.10
6 "	12c	1.35

STAKES, ROUND, GREEN, TAPERING,—

Each.	Doz.	Hundred
2 feet	5c	50c
3 "	7c	75c
4 "	10c	\$1.00

STAKES OR DAHLIA POLES, HEAVY ROUND,—

Each.	Doz.	Hundred
5 feet	15c	\$1.50
6 "	18c	1.85

GALVANIZED WIRE STAKES,—

Doz.	Hundred
2 feet	25c
3 "	35c
3 1/2 "	40c
4 "	45c
5 "	50c
6 "	60c

WOOD GARDEN LABELS,—(100 in pkg.)—

Painted.
8 inch per hundred,
12 " " "

WOOD POT LABELS,—(1000 in pkg.)—

Painted.
4 inch
6 "

WOOD TREE LABELS,—3 1/2 in. copper wired, 35c per 100; \$1.90 per 1000.

FLOWER STEMS,—(Wired Tooth Picks), per box of 10,000, \$1.85.

CARNATION SUPPORT,—"Model Extension," 2 ring, per doz., 75c; per 100, \$5.50; 3 ring, per doz., 90c; per 100, \$6.00

TOMATO SUPPORT

Price 25c Each—Per Doz., \$2.50.



TREE TUBS

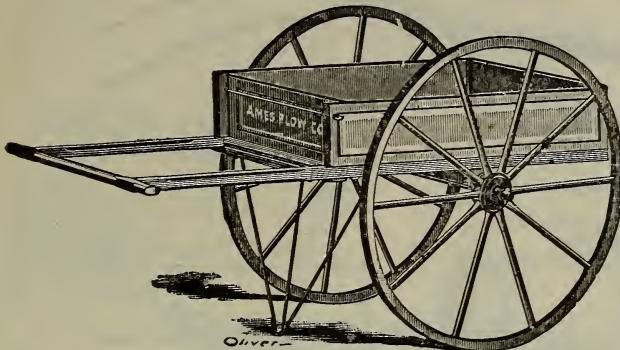
NEW YORK PATTERN

Made of Virginia White Cedar, painted green.

No. 1	Diam.	Height	Each
" 2	12 inches	10 5/8	\$1.50
" 3	13 "	12 3/4	2.00
" 3 1/2	14 1/2 "	14 3/4	2.50
" 4	16 1/2 "	15 5/8	3.20
" 5	19 1/2 "	16 5/8	3.50
	22 1/2 "	18 1/2	4.25

HAND WEEDERS

10c to 35c.



HAND CARTS

Light, strong, well made. The No. 10 and No. 12 have bent handles. No. 14 has straight handles as illustrated.

	Price
No. 10.—Wood Wheels, Body 37x22 in.	\$12.00
No. 12.—Wood Wheels, Body 41x25 in.	\$13.50
No. 14.—Wood Wheels, Body 44x30 in.	\$15.00

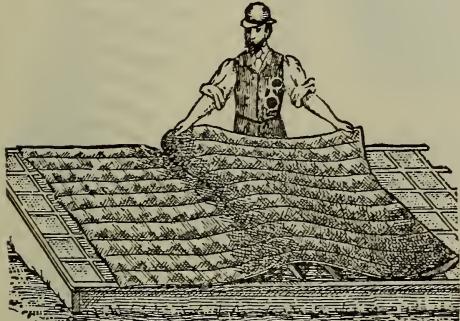
SPECIAL LAWN CART

Body 41 in. x 25 in. Steel axles Removable Leaf Rack 16 in. high. Tire 2½ inches. Price \$23.00

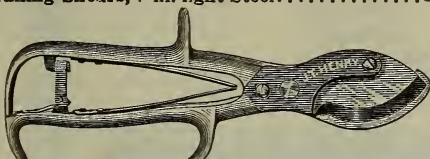
CUT FLOWER VASES FOR CEMETERY

Tin..... 10c & 15c

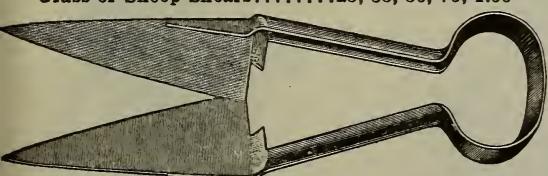
HOT BED MATS



Made of Jute, thickly padded. 76x76 in. Price ea. \$2.75
Improved Mole Trap..... \$1.50
Pruning Shears, 7 in. light Steel..... 50c



Pruning Shears, 8 in. steel..... 65
" " 8½ in. steel..... 75
" " 8 in. Malleable steel blades, .50
" " French..... \$1.00 to \$2.25
Flower Picking Shears (nickled), \$1.00 and \$1.50
Grape Thinning Shears..... \$1.25 and 1.50
Grass or Sheep Shears..... 25, 35, 50, 75, 1.00

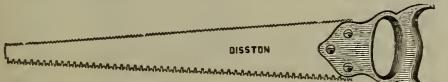


True Vermonter Shears..... \$1.25 and \$1.50
PRUNING KNIVES.

English Stag Horn..... \$1.75 and \$2.25
Cocobolo..... 75c

BUDDING KNIVES.

Ivory Handle..... \$1.50 to \$2.00



PRUNING SAW, (double edge)—90c, \$1.00, \$1.25



	WATER'S TREE PRUNER
4 feet	\$.85
6 "	.95
8 "	1.05
10 "	1.15
12 "	1.55
Extra Knives .....	.20
	CHISEL PRUNER AND SAW.
Combined	\$1.25
Giant Pruner, Saw and Pruner Combined	\$1.75
Orchard Pruner—plain.....	\$1.50
	65c

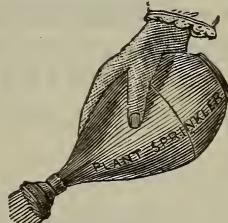
TREE SCRAPERS



Sand Riddles for Sifting Soil

18 in. Galvanized either ¼ inch, ½ inch, ¾ inch or 1 inch, each \$1.00.

RUBBER PLANT SPRINKLER



Medium size..... \$.85
Large size..... 1.25

MASTICA.—Used in place of Putty.

½ gallon can, 90c; 1 gallon can \$1.65

MASTICA MACHINE..... 1.50

PUTTY BULB—for glazing..... 1.25

TARRED MARLINE—for making straw mats, per lb..... .30

RAPHIA—for tying, per lb..... .30

WOOL TWINE—soft, for tying, per lb..... .20

SILKALINE—green, per spool..... .25

GREEN FLORIST'S TWINE—per ball..... .10

COARSE TWINE—Hemp, very strong, per ball..... .25

FINE TWINE—hemp, per ball..... .12, .15 and .20

COTTON TWINE—per ball..... .08

GALVANIZED ANNEALED GREENHOUSE WIRE—per lb..... .12

MOSS (Sphagnum)—either dry or fresh—

green, per bbl..... \$1.50 to 3.00

CORN KNIVES..... 25c and .50

GRASS HOOKS—Common..... 35c to 45c

" " English and Concave..... .75



HAY FORKS

"BATCHELLER'S"

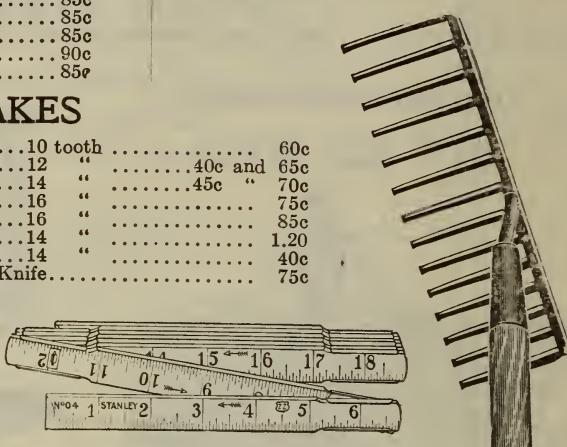
No. 0, 3 Tine (boys') straight handle	35c
No. 3, 3 Tine bent handle.....	75c
The above prices are for forks with 3½ ft., 4 ft., and 4½ ft. handle.	
Extra long handles, 5 to 10c extra.	

HOES

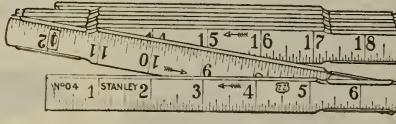
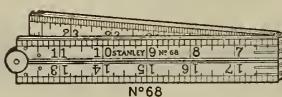
Socket Field, 8 in. blade.....	60c
Shank Field, 7½ and 8 inch blade.....	55c
Socket, Meadow, 9 and 10 inch.....	75c
Ladies' Hoe, 5¼ inch blade.....	45c
Humphrey (tooth hoe)	85c
Warren Hoe.....	85c
Mortar Hoe (shank).....	85c
" (socket).....	90c
" (mixer).....	85c

RAKES

Steel Garden	10 tooth	60c
" ".....	12 ".....	40c and 65c
" ".....	14 ".....	45c ".....
" ".....	16 ".....	70c
Steel Short Teeth	16 "	75c
Steel Heavy Road	14 "	85c
Electric Welded	14 "	1.20
TURF EDGER—or Edging Knife.....		40c
		75c



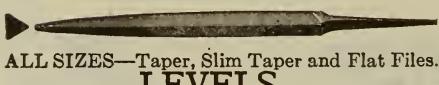
RULES



1 foot Caliper.....	35c and 40c
2 " Plain	15c
2 " (heavy joint).....	25c
2 " Half Brass Bound.....	40c
2 " Full ".....	50c

3 foot Zig Zag.....	35c
4 " " ".....	40c
5 " " ".....	50c
6 " " ".....	60c

FILES



ALL SIZES—Taper, Slim Taper and Flat Files.

LEVELS

12 inch	65c and 75c
16 "	90
28 "	\$1.00 and 1.50
30 "	1.75
42 "	2.50



BIT BRACES



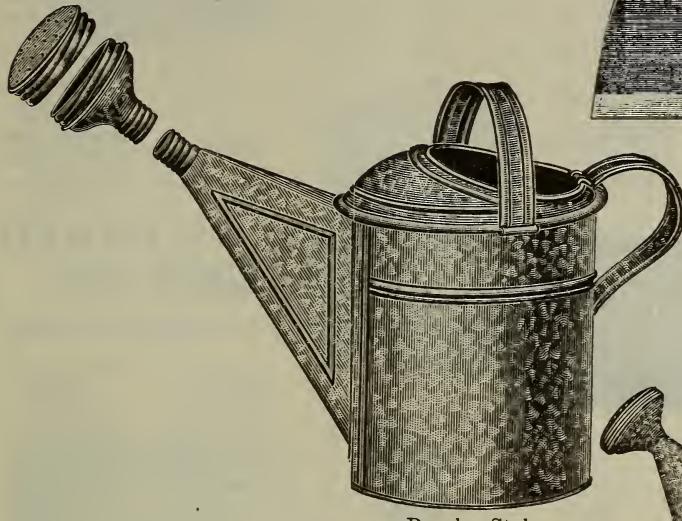
Plain	75c
Ratchet.....	\$1.25, 1.50, 2.00 and 2.50
Putty Knives.....	25c, 35c and 50c
Key Rings.....	.5c and 10c
Key Chains.....	10c, 35c
Carpenters' Pencils.....	5c

BITS

4-16	20c
5-16	25c
6-16	25c
7-16	25c
8-16	30c
9-16	35c
10-16	35c
11-16	35c
12-16	35c
13-16	40c
14-16	40c
15-16	45c
16-16	50c
Ford's Sets.....	5.00
W. Jennings' Sets.....	4.50
Jennings' Patent Sets.....	4.00
Gimlet Bits.....	10c
Tapping Bits.....	25c and 30c
Gimlets.....	10c and 15c

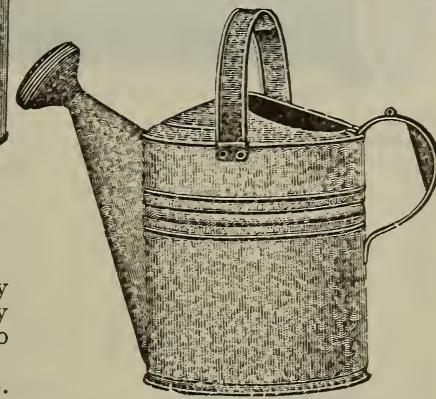
HATCHETS

Shingling.....	\$1.00 and \$1.25
Broad.....	\$1.00 and \$1.50
Hunter's.....	.85c and \$1.35
House Axe.....	.85c and \$1.00
Lathing.....	\$1.25

**REGULAR STYLE
WATERING POTS**

Galvanized.

4 Quart	\$.45 and	\$.50
6 "	.55 "	.65
8 "	.70 "	.85
10 "	.85 "	1.00
12 "	1.00 "	1.25
16 "	1.25 "	1.50

**PHILADELPHIA
WATERING POTS**

This is pronounced by Florists to be the very best Watering Pot they have seen. Is made of very heavy galvanized iron, with brass joints, with two copper roses and extra long spout.

6 Quart, \$2.25. 8 Quart, \$2.50. 10 Quart, \$2.75.

FRENCH PATTERN WATERING POT

6 Quart, Galvanized,	- - - - -	\$2.50
8 Quart, Galvanized,	- - - - -	2.75

AUTO SPRAY PUMP

Self-operating Sprayer, simple, durable, easy to carry and operate. Price with Brass Tank, \$8.50; with Galvanized Tank, \$5.50.

Auto Pop Nozzle, if sold alone, \$1.50. Brass Extension Pipe, 2 ft Length 60c

FLOWER BED GUARD

Made of heavy galvanized wires, 16 in. high, 12 when set,	Per lineal ft.	10c
" " " " " 22 " " 16 " "	" " "	11c
Wire Trellis " " 18 " wide	" " "	8c

Auto Spray Pump

ROUND TILE—(13 Inches long)**ROUND TILE**

The sizes named are inside measurements.

2 inch	—	—	\$25.00 per 1000 pieces,	—	Weights	3,000 Lbs.
2½ "	—	—	30.00 " " "	—	"	4,000 Lbs.
3 "	—	—	35.00 " " "	—	"	5,000 Lbs.
4 "	—	—	55.00 " " "	—	"	7,000 Lbs.
5 "	—	—	85.00 " " "	—	"	10,000 Lbs.
6 "	—	—	110.00 " " "	—	"	12,500 Lbs.
7 "	—	—	125.00 " " "	—	"	15,000 Lbs.
8 "	—	—	150.00 " " "	—	"	17,000 Lbs.
10 "	—	—	250.00 " " "	—	"	26,000 Lbs.
12 "	—	—	350.00 " " "	—	"	35,000 Lbs.

**LIST PRICES on STANDARD AKRON SEWER PIPE**

We carry a heavy stock of this on hand.

Inside Diameter	Weight per Foot	List Price per Foot	Elbows and Curves Each	Branches Single 2 Feet Long with Inlets up to and including 12 Inches Each	Branches Double 2 Feet Long with Inlets up to and including 12 Inches Each
3 ins.	7 lbs.,	\$0.30	\$1.20	\$1.20	\$1.50
4	9	.30	1.20	1.20	1.50
5	12	.45	1.80	1.80	2.25
6	15	.45	1.80	1.80	2.25
8	23	.70	2.80	2.80	3.50
10	35	1.05	4.20	4.20	5.25
12	45	1.35	5.40	5.40	6.75
			Curves Elbows		
15	60	1.80	7.20 14.40	7.20	9.00
18	85	2.50	10.00 20.00	10.00	12.50
20	100	3.00	12.00 24.00	12.00	15.00
24	140	4.50	18.00 36.00	18.00	22.50

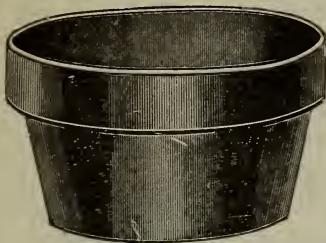
Discount on Application.

STANDARD FLOWER POTS AND SAUCERS

Size	Wt. per M Pots	Pots Per 100	Pots Each	Saucers Per 100
1¾ inch,	100 lb.	\$.75	.....	.....
2 "	150 "	.75	.....	.....
2½ "	300 "	1.00	\$.02	.....
3 "	400 "	1.30	.02	.....
3½ "	600 "	1.60	.....	.....
4 "	750 "	2.00	.03	\$ 1.50
4½ "	1000 "	2.70	.03	.....
5 "	1300 "	3.60	.05	2.00
5½ "	1600 "	4.50	.....	.....
6 "	1950 "	5.40	.06	3.00
6½ "	2500 "	7.20	.....	.....
7 "	3350 "	9.00	.11	4.00
8 "	4400 "	13.00	.15	5.50
9 "	6600 "	20.00	.22	7.50
10 "	8700 "	27.00	.30	9.00
11 "	11250 "	40.00	.45	11.00
12 "	14500 "	55.00	.60	13.50
13 "	70.00	.75	.18	each
14 "	90.00	1.00	.23	"
15 "	140.00	1.50	.30	"
16 "	200.00	2.25	.40	"
18 "	300.00	3.25	.50	"



We are prepared to give you the right figures on first-class Earthen Ware, on application.



SEED OR BULB PANS

	Per 100	16 inch each,	\$2.00
6 inch Round,	\$5.00		
7 " "	9.00	18 " "	3.00
8 " "	13.00	20 " "	4.00
9 " "	20.00		
10 " "	27.00	22 " "	6.00
12 " "	55.00		
14 " "	90.00	24 " "	8.00

**FIRE CLAY
FLUE LINING**
2 FOOT LENGTHS



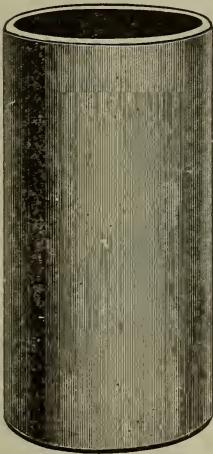
Openings and Register
50 per cent added.
*Sizes most used.

Outside Measure. Weight. List Price per ft.

4½x8½ in.	14 lbs.	\$.45
4½x13 "	20 "	.60
4½x18 "	40 "	1.20
7½x7½ "	15 "	.45
*8½x8½ "	20 "	.60
*8½x13 "	30 "	.90
8½x18 "	45 "	1.35
*13x13 "	38 "	1.15
13x18 "	57 "	1.75
18x18 "	72 "	2.25

FIBRE WARE—FLORISTS' VASES

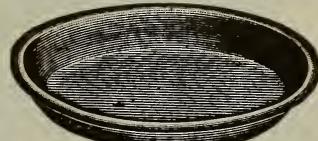
No. 0.	8x13, - - - - -	85c.
No. 1.	5½x10, - - - - -	75c.
No. 2.	4½x9, - - - - -	65c.
No. 3.	4x6, - - - - -	60c.
No. 4.	3x4½, - - - - -	50c.
No. 11.	5½x18, - - - - -	\$1.00.
No. 22.	4½x15, - - - - -	80c.



INDURATED FIBRE WARE SAUCERS

WILL NOT SOAK WATER

	Each	Doz.
5 inch,	17	\$1.70
6 " "	18	1.80
8 " "	25	2.50
10 inch,	30	3.00
12 " "	35	3.50
14 " "	40	4.50



MANILA PAPER

Sizes 18 in. x 24 in. " 24 " x 36 " " 36 " x 48 " market price.

WHITE WAX PAPER—For flowers—ream.....	\$2.25 and \$4.50.
WHITE TISSUE PAPER—For " " "	2.00 " 4.00.
GREEN TISSUE PAPER—For " " "	2.50.

PUTTY

WHITE LEAD PUTTY

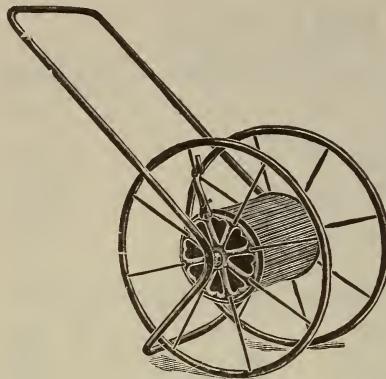
5 lb. Can subject to change	45c
12½ lb. " " " "	95c
25 lb. " " " "	\$1.70

LINSEED OIL PUTTY

1 lb. Can subject to change	9c
5 " " " "	40c
10 " " " "	75c

STOVE LINING

Made of fire clay, to take the place of stove brick. Per Pkg.....	15c, 25c and 35c
MAJORS RUBBER CEMENT Per bottle.....	15c
MAJORS CHINA CEMENT. Per bottle.....	15c



Tubular Hose Reel

The "B&S" Hose Reel

A very satisfactory reel.

Price \$2.75

Eclipse Hose Reel

Price \$1.25

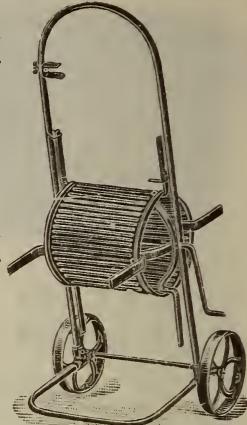
Tubular Iron Hose Reel

Light weight, high wheels.

For 100 ft. Hose, \$3.75.

For 150 ft. Hose, \$4.25.

For 500 ft. Hose, \$6.00.

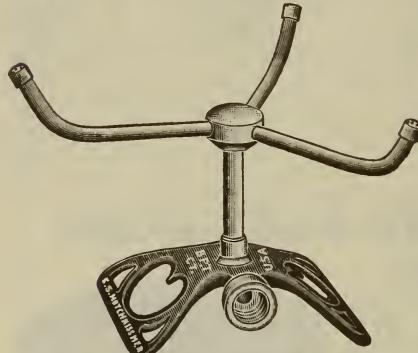


B & S Hose Reel

RUBBER HOSE



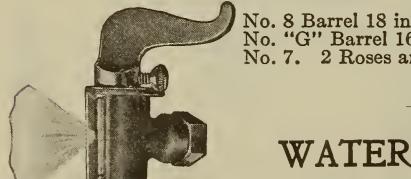
Howard's "Special 7 Ply," a very strong high grade hose, $\frac{1}{2}$ in., 18c. per ft., $\frac{3}{4}$ in., 19c per ft.
 "RAINBOW"—A fine quality hose non-kinkable, very pliable, especially good for tree spraying and greenhouse use, $\frac{1}{2}$ in., coupled, 19c., $\frac{3}{4}$ in., coupled, 20c.
 HOWARD'S "B. & S." 5 Ply—An excellent hose, $\frac{1}{2}$ in., 16c., $\frac{3}{4}$ in., 17c.
 "Delva"—Good Hose for the money, $\frac{1}{2}$ in. coupled, per ft., 9 $\frac{1}{2}$ c.; $\frac{3}{4}$ in., coupled, 10 $\frac{1}{2}$ c ft.



Lawn Sprinkler, Fig. 35, \$1.65	Lawn Sprinkler, Fig. 20 \$1.90
LAWN SPRINKLER.—Similar to Fig. 35 but with longer arms and higher standard,	\$1.90
LAWN SPRINKLER, No. 65-B.—Has revolving arms and rose spray,	\$2.75
HOSE COUPLINGS—Complete set,	.35
" Bands and Clamps, each,	
" Menders "Cooper's," $\frac{3}{4}$ in., $\frac{1}{2}$ in., each 12c;	.05 and .10
" Washers, per dozen,	doz., 1.25
" Pliers,	.10
" Nozzle Holders,	.25
" End for connecting hose with faucet,	.50
" Perfect Clinch Mender, each,	.10
HOSE NOZZLE.—Throws spray or solid stream by turning thumb screw.	.85
MISTRY NOZZLE—for $\frac{1}{4}$ in. pipe, \$2.00; for Hose,	\$2.25
MISTRY JR. NOZZLE—for $\frac{1}{4}$ in. pipe, \$1.00; for Hose,	\$1.25
COUPLING to connect Hose with $\frac{1}{4}$ in. extension pipe,	.25
VERMOREL SPRAY NOZZLE,—	\$1.25
KINNEY PUMP,—	\$2.25
ROSE SPRAY NOZZLE,—	\$1.25
Chisel Blade Weed Cutter, with Foot Rest,	.60
Pastime Weed Extractor, with 4 ft. handle,	.25

BRASS PLANT SYRINGES.

No. 8 Barrel 18 in. long, very heavy, well made,	\$6.00
No. "G" Barrel 16 in. long, 1 spray, 1 stream Rose,	\$5.50
No. 7. 2 Roses and Angle Joint,	\$8.50



Bordeaux Nozzle, \$1.00

WATER BARREL AND TRUCK

Complete with 2 $\frac{1}{2}$ inch tire,
 TRUCK without barrel,
 HAND CART BOX.

Price \$16.00
 " 12.00
 " 4.50

Boston Hose Nozzle 75c



COLDWELL IMPROVED LAWN MOWER

Coldwell's "Improved"
Horse Lawn Mower



A Splendid Machine. It is provided with shafts, seat and side draft attachment. Each mower is guaranteed to give complete satisfaction. The new lever attachment for raising knives from the ground and adjusting heights of cut is very convenient. Price: 30 in., \$80; 35 in., \$95; 40 in., \$115.

Add \$12 to above prices for 6 Blade Mowers.

TOWNSENS TRIPLEX HORSE LAWN MOWER

THE TRIPLEX, consists of three lawn mowers yoked together, two abreast and one following in the center, easily drawn by one horse and cuts a swath over seven feet wide—conforms itself to uneven surfaces, does good and very rapid work. Price complete \$275.00 f. o. b. New York.

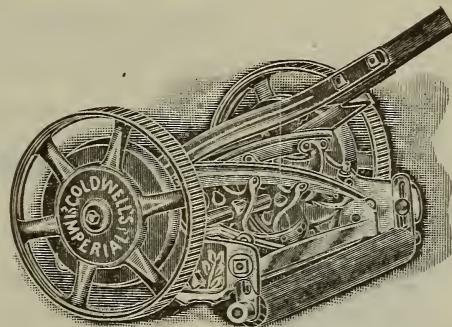
VICTORY BALL BEARING LAWN MOWER

Light, easy running, a beauty, 16 in., \$11.50; 18 in., \$12.50; 20 in., \$13.50.

IMPERIAL HIGH WHEEL LAWN MOWER

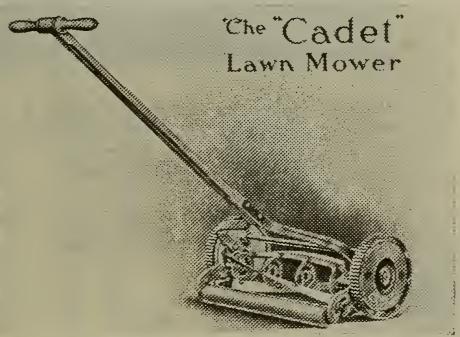
This mower is not surpassed by any Lawn Mower in the market. It is easy running, does the best of work, and its construction is such that it will outwear any lawn mower made.

Price: 16in., \$11.50; 18 in., \$12.50., 20 in., \$13.50. Add \$1.00 to above prices for 5-blade mower.



THE CADET LAWN MOWER

The "Cadet"
Lawn Mower



This is an excellent low price mower and should not be confounded with the cheap mowers that are on the market, many of which are worthless.

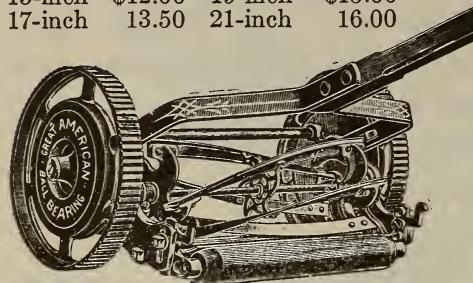
The Cadet is a well made, substantial mower,

Price 14 inch,	\$4.50
Price 16 inch,	5.00

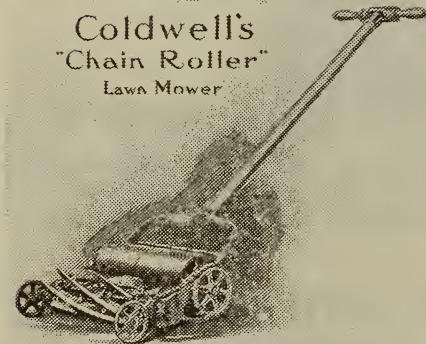
GREAT AMERICAN BALL BEARING

The most imitated and the best of its class, 10½-inch Wheel, 5-blade cylinder.

15-inch \$12.00 19-inch \$15.00
17-inch 13.50 21-inch 16.00



Coldwell's
"Chain Roller"
Lawn Mower



PRICE—4 Blade Mower, 12 in. \$13.50; 14 in. \$14.50; 16 in. \$15.50; } Add \$3.00 for
PRICE—6 " " " \$14.50; " \$15.50; " \$16.50; } Grass Catcher.

THE NORKA LAWN MOWER

This mower is what might be called a bargain mower, it is worth much more than the price asked. 16 inch only, \$4.50.

GRASS CATCHER for high wheel mowers, \$2.00 each.

HORSE LAWN BOOTS

To prevent horse from marking the lawn.

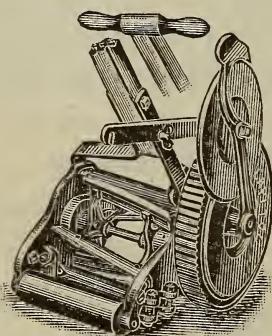
Price per set of 4
\$11.00 and 12.00



Capital Lawn Edger and Trimmer

For cutting grass borders and trimming edges of walks.

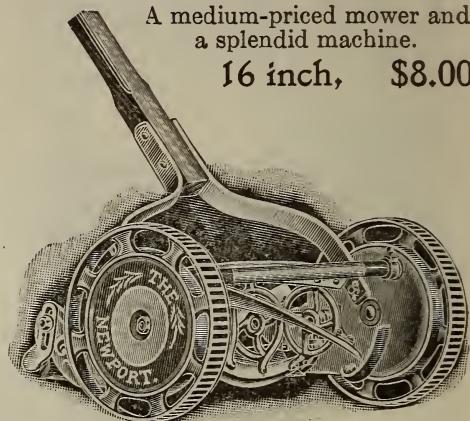
Price complete,
\$6.50.



THE NEWPORT HIGH WHEEL MOWER

A medium-priced mower and a splendid machine.

16 inch, \$8.00



CHAIN OR GEARED ROLLER MOWER

These are designed especially for use on borders and on the edges of drives and walks.

They run very easily and are quite a necessity on all large lawns.

THE PENNSYLVANIA LAWN CLEANER



THE PENNSYLVANIA LAWN CLEANER

A revolving fan with metal teeth, takes up leaves, dead grass, stones, etc.

Price, 24 in.	\$17.00
" 36 "	26.00



POMONA SPRAY PUMP

One of the Best Pumps for orchard use, very powerful, all working parts solid bronze.

Price pump only with Agitator \$16.50.

Price pump with 15 ft. hose, "Mistry" nozzle and Agitator, \$20.00.—fitted to barrel, \$23.50.

Price with two leads of hose, with nozzles and Agitator, \$23.00—fitted to barrel, \$26.50.

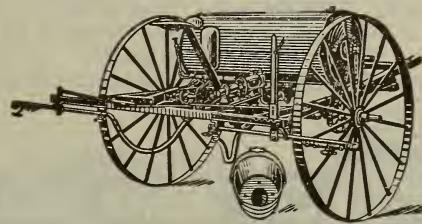
Gould's Cart for mounting barrel sprayers, \$16.00.

FRUITALL SPRAY PUMP

Similar to the Pomona, but lighter and not quite so powerful. Price \$5.00 less than the Pomona.

"Iron Age" Four Row Sprayer

A practical Sprayer operated by horse power, tank made of heavy galvanized iron, holds 55 gallons, sprays four rows at once.
Price Single Acting Pump, equipped with shaft, \$95.00
Price Single Acting Pump, equipped with tongue, \$98.00
Add for Double Acting Pump, \$16.50
Orchard attachment, extra, \$11.00



Dickey Bug Death Shaker

For distributing Bug Death, Slug Shot, etc.

Price 30c

THE AQUARIUS

A very powerful little pump, throws a steady stream. Cylinder, piston rod and couplings are brass, fitted with 2½ ft. suction and 3 ft. discharge pipe, one spray and one solid stream nozzle.

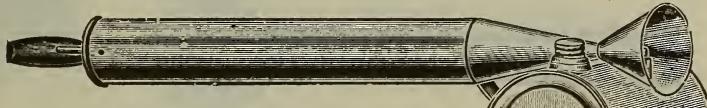
Price \$6.00

THE AQUAPULT

A VERY SERVICEABLE HAND FORCE PUMP

The valves are brass balls, which successfully resist the action of acids. Complete with 3 ft. discharge hose, solid stream and spray nozzle, Price \$5.00 With 4 foot Extension Rod and Vermorel Nozzle,

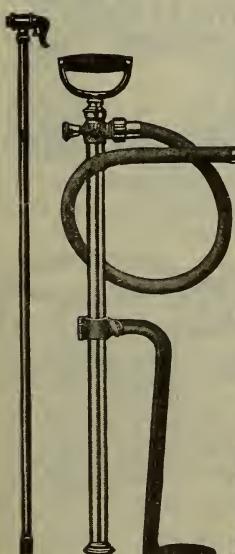
The Aquarius



IMPROVED SPRAYER

Throws a very fine spray of any liquid mixture usually used in destroying insects, bugs, etc.; throws dry insecticides nicely. The best thing for applying Kilifi, Guaranteed Cattle Oil, etc., on cattle.

Price 50c. and 60c



The "Iron Age" Horizontal Sprayer



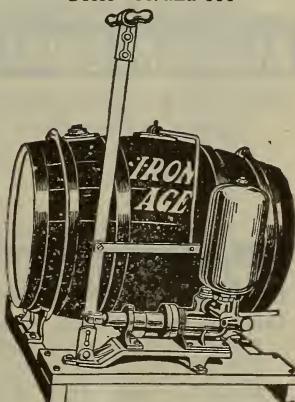
The Aquapult

Price, \$9.00

Leggett's Paris Green or Dry Powder Gun Distributes any dry powder. Thousands in use.

Mounted on skids, can be set in any wagon, cart or sled. Pressure with two nozzles, 100 to 125 lbs. Price ready for use—with one lead hose, \$27.50.

Steel Extension Rod—10 ft. with stop cock, 2 grips and drip guard, \$3.75.



INSECTICIDES

APHINE.—For the destruction of green fly, black fly, white fly, thrip, red spider, mealy bug, caterpillars, white and brown scale. $\frac{1}{4}$ Pt. 25c; Quart \$1.00; Gallon \$3.00.
APHIS PUNK.—For fumigating Greenhouses. Three rolls will fumigate 100 foot house. One dozen rolls in box. Price per box, 60c.



STERLINGWORTH LIQUID BORDEAUX

STERLINGWORTH AR-BO



AR-BO.—Kills leaf eating insects and prevents fungous diseases. Use 1 lb. to 10 gallons water. 1 lb. 25c., 5 lbs. \$1.00.

ARSENAATE OF LEAD.—1 lb. 25c., 5 lbs. \$1.10.

ARSENAATE OF LEAD,—Dry, "Corona" brand. Per lb. 45c.

Bordeaux Mixture, Sterlingworth.—Prevents Potato Blight, Mildew and all Fungus growths. Dilute with 25 to 50 parts water. Qt. can, 50c; Gallon can, \$1.65.

"**Black Leaf 40**"—A strong, nicotine preparation, for destroying aphid, thrip, etc., 1 oz. 25c.; $\frac{1}{2}$ lb. can, 75c; 2 lb. can, \$2.50; 10 lb. can, \$10.75.

BUG DEATH.—An insecticide for destroying Potato, Squash and Cucumber Bugs, Currant Worms, etc. Price 1 lb. pkg., 20c, 3 lb. pkg. 45c, 5 lb. pkg. 60c, 12½ lb. pkg. \$1.25; 100 lb. keg, \$9.00.

Chloride Lime.—A valuable disinfectant. Price 1 lb. box, 15c.

Copper Solution.—To prevent blight, rot and mildew, qt. \$7.50.



STERLINGWORTH CUT WORM KILLER

Cut Worm Killer, Sterlingworth.—Non-poisonous powder. Birds and fowls that eat the dead worms are not killed. One pound protects 175 plants or a 150 ft. row. 1 lb. box, 25c.

Cyanide of Sodium.—Per lb., \$2.00.

Fir Tree Oil Soap.—Per can, 35c and 85c.

Fungine.—A remedy for mildew, rust and other fungus diseases, qt. \$1.00, gal. \$3.50.

GRAPE DUST.—For the prevention of mildew, 5 lb. pkg. 45c



STERLINGWORTH FISH OIL SOAP

FISH OIL SOAP.—Per lb., 20c.

FISH OIL SOAP, with Tobacco.—Sterlingworth.—

Makes an excellent wash for trees and plants, and for smearing on the trunks of trees, to prevent worms from crawling up. Excellent for destroying the Green Worm on Cabbages. 1 lb. box, 30c.

STERLINGWORTH POWDERED HELLEBORE



Hellebore, Sterlingworth.—For currant worms and rose slugs. Price $\frac{1}{2}$ lb. box, 35c; 1 lb. box, 60c.



KILFLI (So-bos-so).—An excellent preparation to protect animals from flies. Price per gal. can, \$1.00.

STERLINGWORTH KEROSENE EMULSION



Kerosene Emulsion, Sterlingworth.—For scale and all sucking insects. Per qt. 40c, gal. \$1.00.

STERLINGWORTH LIME and SULPHUR WASH



Lime and Sulphur Wash, Sterlingworth.—The most widely used and recommended remedy for San Jose Scale. 1 gal. makes 10 to 40 gals. Prices, gal. cans, 75c.; 5 gals., \$2.50; 50 gals., \$12.00.

STERLINGWORTH LAWN COMPOUND

Lawn Compound—(Sterlingworth) A dry powder to be sprinkled over the lawn and weeds. It kills the weeds but not the grass and makes the lawn green and velvety. 5 lb. cans, 60c; 10 lb. cans, \$1.00; 50 lb. keg, \$4.00; 100 lb. kegs, \$7.50.



NICO-FUME.—Tobacco paper for fumigating. Per can, \$1 and \$4.50.

NICO-FUME LIQUID.—For fumigating and spraying. Lb. can, \$1.50. 4 lb. can, \$5.50.

NIKOTEEEN.—The large bottle represents the extracted product of 150 lbs. tobacco. Price, \$1.50; 2 oz. bottle, 40c.

Nikoticide.—A powerful tobacco insecticide for greenhouse fumigating. Cans, \$1.25 and \$2.50.



INSECTICIDES (Continued)

PARIS GREEN.—Absolutely Pure.—Put up in $\frac{1}{4}$, $\frac{1}{2}$, 1 and 2 pound boxes. Prices according to market.

Plant Food.—Ferti-Flora, per bottle. 25c

Plant Tablets.—Sterlingworth, dissolve in water, makes plants bloom luxuriantly. Price 10c.

Potash.—Per box, 15c.

PYROX.—A spray for all leaf eating insects, also a preventative of fungus diseases. Lb., 25c; 5 lbs., \$1.00; 10 lbs., \$1.85; 25 lbs., \$4.50.

Rat Annihilator.—Kills and consumes the body of the rat. Pkg 15c.

Rat Corn—Kills and mummifies rats and mice, 25c and 50c.

Roach Killer.—Pkg. 25c.

Scalecide.—For spraying, especially good for San Jose Scale. 1 gal. \$1.00, 5 gals. \$4.00.

Seal Oil Soap.—A valuable insecticide for syringing and washing plants. Box 25c.

Sheep Dip.—Cooper's.—In powder form, pkg. makes 25 gallons. Price 50c.

Sheep Dip.—Legget's.—Quart can, 75c; $\frac{1}{2}$ gallon can, \$1.25.

Slug Shot—Hammond's.—Destroys insects injurious to house and garden plants, potatoes, vegetables, and fruits of all kinds. Comes all ready for use. 5 lb. pkg., 40c.

Soluble Sulphur—Used in place of lime and sulphur, a dry preparation. 1 lb. 25c; 5 lbs. \$1.00; 10 lbs. \$1.50.

Sulfocide.—A summer spray for blight, mildew, scab, etc., Pt. 50c; Qt. 75c; Gal. \$2.00.

Sylpho-Naphthol.—A modern cleanser and purifier. Makes everything clean and healthful. One of the best disinfectants known. Price, small bottle, 25c; medium bottle, 50c; large bottle, \$1.00; one gallon can, \$3.00; five gallon can, \$12.50; ten gallon can, \$20.00.

Sulphur, Flowers of.—Much finer and preferable to Flour of Sulphur, for the prevention and cure of Mildew on grapevines, roses, etc. Price per lb., 10c; 100 lbs., \$6.00.

Sulphuric Acid.—Per bottle, \$1.25

Tobacco Dust.—A very fine dry powdered tobacco. Price per lb. 10c; 5 lbs., 35c.

Tobacco Stems.—For fumigating. In bales of about 100 lbs. each, 2c per lb.

TREE TANGLEFOOT.—A sticky substance applied directly to the bark to protect trees against climbing insects. 1 lb. can, 35c; 3 lb. can, \$1.00; 10 lb. can, \$3.00; 20 lb. can, \$5.50.

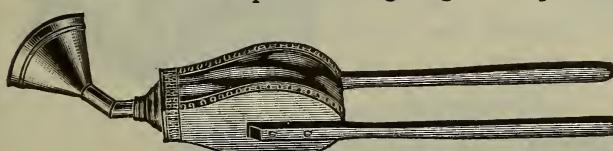


Weed Killer, Sterlingworth.—A powder, dissolves in water, for use on walks, drives and gutters. 1 lb. pkg., makes 15 gals., 50c; 5 lb. pkg., \$2.00.

X L ALL.—Liquid insecticide, for spraying and sponging to destroy insects, quart can, \$1.25; half gal. can, \$2.25; one gal. can, \$4.25.

X L ALL.—Vaporizing Compound for fumigating, per bottle, sufficient for fumigating 40000 cubic feet, \$8.00.

Lamp for Fumigating.—Complete with stand, 75c.



BELLOWS OR GUN.—For applying dry, Paris Green, Hellebore, Tobacco Dust, Sulphur, etc., \$1.25.

INSECT POWDER GUN.—Small, 10c.

Acre an Hour Sifter

For using Bug Death and other Insecticides dry. It is well named. Price, 75c.

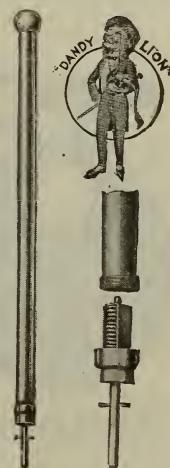


TORCHES

Made of asbestos, 25c.

"DANDY LION" WEED KILLER

For killing dandelions and other weeds in lawn with weed killing liquid.



Price \$1.00



SHOVELS

	Long Handle Round	D Handle Round	Long Handle Square	D Handle Square
Subject to change in market.				
Ames,	\$1.50	\$1.50	\$1.50	\$1.50
Blair,	1.25	1.25	1.25	1.25
Lee,	1.25	1.25	1.25	1.25
Brown,	1.00	1.00	1.00	1.00

STEEL SCOOPS

	Polished Plain	Polished Ex-Strapped
SANDERSON'S No. 2,	-\$1.30	
" No. 3,	1.35	
" No. 4,	1.40	
" No. 5,	1.45	
" No. 6,	1.50	\$1.60
" No. 7,	1.55	1.65

CONNEAUT.—Popular with the Coal men. \$1.00 and \$1.15.

STEEL FURNACE SCOOP, \$95

WIRE POTATO SCOOP, \$2.00



SPADES

	D Handle	Long Handle
Ames,	\$1.50	\$1.50
Lee,	1.25	1.25
Brown,	1.00	1.00

HANDLES

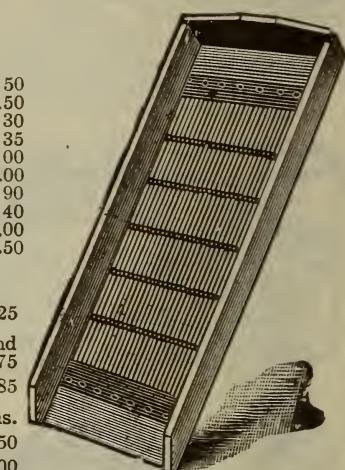
Sledge.....	\$.12 to \$.25
Hammer.....	.10 to .15
Hatchet.....	.10 to .20
Pat Cross Cut Saw, per pr.	.40
Ice Hook.....	.20 to .50
Axe—See Axes	
Pick.....	.25 to .35
Long or D Shovel.....	.25 and .35
Manure Fork.....	.20 to .35
D. Spading Fork.....	.35
Long Spading Fork.....	.25
Hay Fork.....	.20
Hoe and Rake.....	.15, .20

BRICK TROWELS

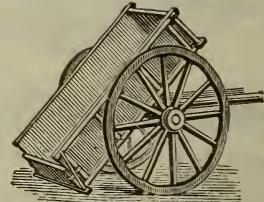
Riveted.....	.50
Disston's.....	.75 to \$1.50
Pointing 4½ inch.....	.30
" 5 inch.....	.35
MASON'S Hocks.....	\$1.00
" Floats or "Darbies".....	1.00
" Cork Floats.....	.90
Tape Lines 50 ft.....	.40
" 75 ft.....	.60c, \$5.00
" 100 ft.....	.75c, 6.50

PLASTERING TROWELS.

Disston's 10½ inch.....	1.25
" 11 inch	1.35 and
"	\$1.75
" 11½ inch	1.85
Mason's Sand Screens.	
Medium.....	\$.50
Large.....	6.00



Mortar Hods Steel 1.75
Brick Hods Steel 1.50



TWO WHEEL DUMP OR FARM CARTS

STRONG EASTERN MAKE

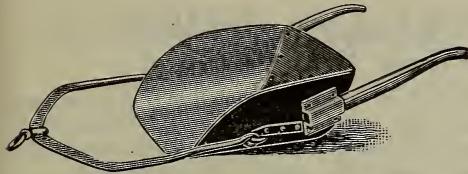
PADLOCKS

10c to \$1.00. Special
Milk Can Locks, 75c

	Dimensions of Body	Axle	Tires	List Prices
Light,	5 ft x 3¼ ft. x 12 in.	1 ¾ in. steel	3 inch	\$65.00
Medium,	5½ ft. x 3½ ft. x 12 in.	1 ¾ in.	4 "	70.00
Heavy,	5½ ft. x 3½ ft. x 12 in.	2 in.	4 "	75.00

Shifting Side and Front Boards extra,

9.50

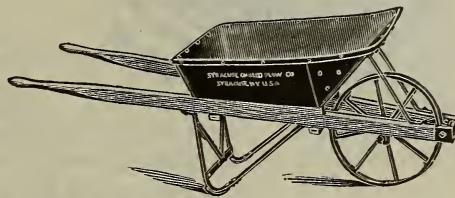


SOLID STEEL SCRAPER

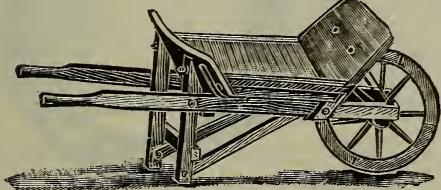
No. 0 Extra Large, Two Horse, Capacity 9 Cubic feet with Runners,	-	-	-	\$11.50
No. 1 Large	"	"	7	9.00
No. 2 Medium	"	"	5	8.50
No. 3 One-horse	"	"	3	7.50

NO. 75-A WHEELBARROW

No. 75A.—A perfect end dump contractor's barrow,
capacity 4 cubic feet, - - - - - \$6.25



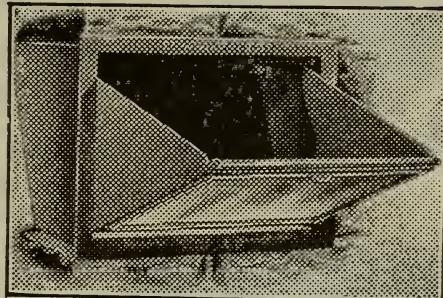
STEEL TRAY WHEELBARROW



No. 2 Capacity	3 cubic feet, with steel wheel,	\$5.25
No. 4	" 4 " " " "	5.75
All Steel Wheel Barrows—from \$7.00 up.		
Special prices on quantities.		
BOLTED RAILROAD or CANAL BARROW, common wood wheel.		2.50
BOLTED RAILROAD or CANAL BARROW, patent wood wheel.		2.75
BOLTED RAILROAD or CANAL BARROW, patent steel wheel.		2.90

WINDOW COAL SHUTE

Hopper Opening.	Outside Rim.	Price
Size "A" 22 wide—16 high	25x19	\$10.00
Size "G" 32 "	24 " 35x27	15.00

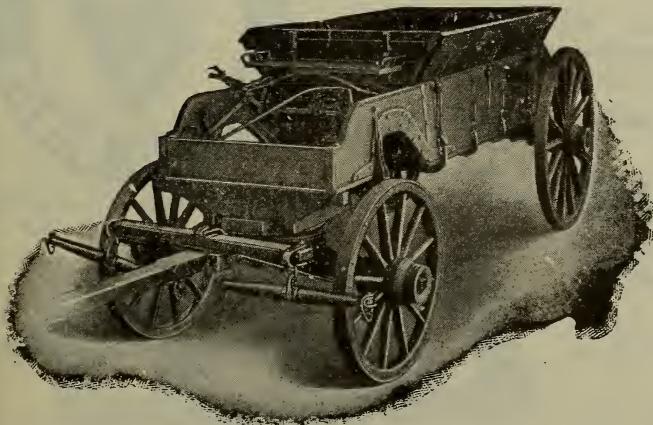


MEASURING RODS

6 ft. long, with brass tips, graduated to $\frac{1}{8}$ inch	\$1.25
10 ft. long, " " " " " " $\frac{1}{8}$ "	1.00
10 ft. long, " " " " " " $\frac{1}{8}$ "	1.50

CART HARNESS

NEW ENGLAND PATTERN, (collar not included).
Prices on application.



**WATSON
DUMPING
WAGON**

The Best Bottom Dumping Wagon built.

1½ yard capacity, 3 inch
Tire, Bottom lined, Flar-
ing Side-boards.

2 yard capacity, 4 inch
Tire, Full lined, Flaring
Side-boards.

Prices on application



Finishing Lime. (Hand picked) for Finishing Coat work.
Red Label Lump. Selected Lumps for whitewashing.

PORTLAND CEMENT (Best Brands Only)

We are in a position to furnish Portland Cement in any quantities from a pound to any number of carloads, our facilities for supplying on large contracts being especially good. We will figure on board cars, at our storehouse, or delivered on the job as desired. Prices on application.

KEENE CEMENT—For fine plastering and tile work, per bag \$2.50.

LIME

We are Sole Agents in this vicinity for the celebrated Farnum Cheshire Lime, and carry in stock the following brands:

Black Label Lump. For Brick and Stone Work.

Finishing Lime. (Hand picked) for Finishing Coat work.

Red Label Lump. Selected Lumps for whitewashing.

WALL PLASTER

PEERLESS NEAT. To be used with sand, a splendid Plaster, works easy under the trowel, dries quickly, economical and is very much liked by the masons and builders. 100 lb. bag, 85c, per ton including bags, \$15.00.

PEERLESS WOOD FIBRE. Ready to use. Works nicely under the trowel, makes an excellent wall. 100 lb. bag, 85c, per ton including bags, \$15.00.



HYDRATED LIME. "Tiger Brand." "White Rock Finish." We recommend this always for finish work. For plastering and Finishing Coat work. Per 50 lb. bag, 50c; per ton, \$16.00.

MASONS CALCINED PLASTER (Plaster of Paris), Higginson's probably the best; per $\frac{1}{2}$ bbl. \$1.75; per bbl. \$3.00.

HAIR FOR PLASTERING. Extra long goat, per bushel sack 55c.

MORTAR RED. Dry per lb. 3c, special prices in quantities.

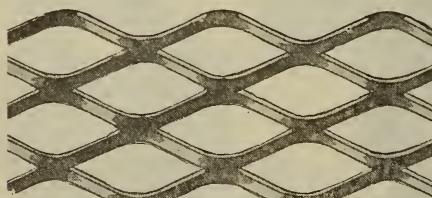
ATLAS WHITE PORTLAND CEMENT a pure white Portland cement, per bag \$1.25. Special price in quantities.

PLASTER BOARD "PEERLESS", a very strong plaster board, 32 in. x 36 in. Price per board 18c

CONCRETE HARDENER,—(Master Builders.) For waterproofing and surface hardening of concrete, per bag of 50 lbs. 15c per lb.

Concrete Hardener (Metalcrete.) Bag of 50 lbs., 15c lb.

MEDUSA WATERPROOF COMPOUND, per bag, 40 lbs., 13c lb. Special price in quantities.

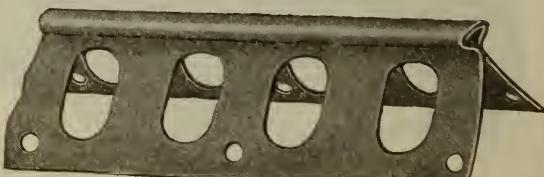


MAHONING, 24 Gauge, 21 yards in a bundle of 14 sheets; per square yard, 22c.

CORNER BEAD, in 8, 9 and 10 ft. length, with clips, per ft. 4c.

METAL LATH

BERGER STANDARD, 24 Gauge, in bundles of 9 sheets or $14\frac{2}{3}$ yards; per sq. yard, 22c.



"NEPONSET" PAROID ROOFING.—One of the best roofings made
—resists all extremes of climate from Alaska to Cuba.

Paroid Roofing (formerly called Paroid 1 ply), per 108 sq. ft., lays
100 sq. ft., \$2.50

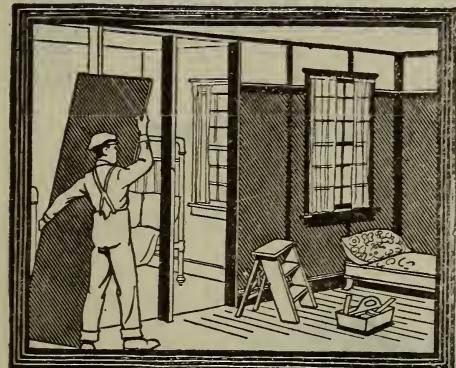
Paroid Roofing Heavy—(formerly called Paroid 2 ply) per 108 sq.
feet lays 100 sq. ft., \$3.50

STORM KING ROOFING.—A splendid roofing, it will certainly
please you, the price is extremely low considering the quality.

1 ply, per roll of 108 sq ft., \$1.50

2 " " " " " 2.00

3 " " " " " 2.50



WALL BOARDS

NEPONSET WALL BOARDS.—For walls and
ceilings, both surfaces waterproofed, made in
three finishes—Oak, Cream White and Burnt
Leathers, 32 inches wide, per 1,000 sq. ft.,
\$30.00

Batten Strips, per 100 linear ft., 60c

BLACK WATERPROOF BUILDING PAPER.
—In rolls of 250 and 500 square ft. Price per
100 sq. ft., 50c

RED IRROPE ROOFING.—An excellent low cost roofing, will last for several years,
Price per square of 108 ft., \$1.50

TARRED PAPER.—Single ply, per roll of 320 square feet (about 40 lbs.), 3½ lb. Two ply,
per roll of 108 square feet, \$1.25. Three ply, per roll of 108 square feet, \$1.50.

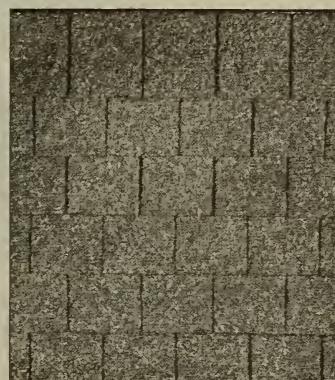
AMATITE ROOFING.—An excellent roofing material, made of several layers of water-
proof material and pitch, with a layer of gravel on one side. Per roll of 108 sq. ft.
\$2.50. Special prices on large quantities.

EVERJET ROOFING PAINT.—(Black)—For outside or inside use on metal or wood.
Prevents rust, protects from weather, lasting. One gallon can \$1.00.

THE REYNOLDS ASPHALT SHINGLES

Fire resisting, lighter than Slate, as cheap as Wood
Shingles and will last very much longer. Made in
Red, Grey, Green and Pioneer Rock. Some cities
in Massachusetts forbid the use of wood shingles, a
lower rate insurance is charged in some places where
asphalt shingles are used. Be sure you get the Reynolds,
it is the best.

Price, Red or Green per 1000,	\$5.75
" Grey " "	5.50
" Pioneer " "	5.25

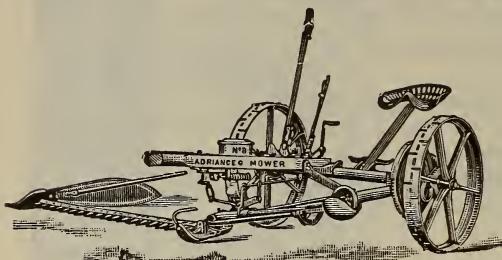


ROLL ROOFING.—For valleys to match the shingles. It also makes an excellent roof.
Per roll, \$2.75.

ROOFING CEMENT "MATEX".—In bbls. per lb. 7c. In kegs per lb. 8c. In 25 and
50 lb. pails 10c. In 5 and 10 lb. pails 12c.

ROOFING CEMENT "RUTLAND".—In 10 lb. cans, \$1.40 per can.

THE ADRIANCE BUCKEYE MOWER

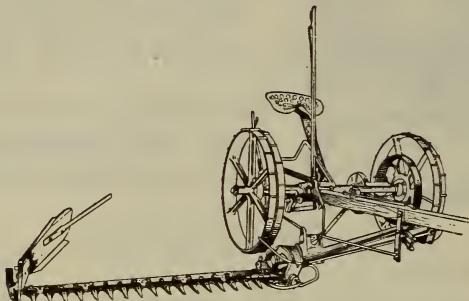


The Adriance Buckeye Mowers have long been considered Standard Goods and to-day are as good as are made. They are made both in the Buckeye Gear and Chain Gear.

THE BUCKEYE GEAR IS USUALLY PREFERRED.

One-Horse, 3 ft. 6 in. or 4 ft.	Either chain or Standard	- - - - -	\$56.00
Two-Horse 4 ft. 6 in.	" " "	- - - - -	60.00
" 5 ft.	" " "	- - - - -	60.00

WALTER A. WOOD MOWING MACHINE



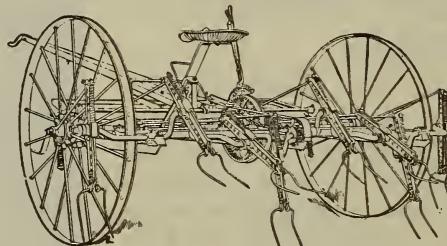
The Wood Machines are well and favorably known the world over.
The New Vertical Lift is proving very popular. Price, 5 ft.,

\$60.00

McCORMICK MOWING MACHINE

The McCormick Mower is one of the very reliable machines which we carry. It is light running, yet a strong, substantial Mower. Price One Horse, 4 ft. cut, \$56.00
Price Two Horse 5 ft. cut, 60.00

WOOD STEEL HAY TEDDER



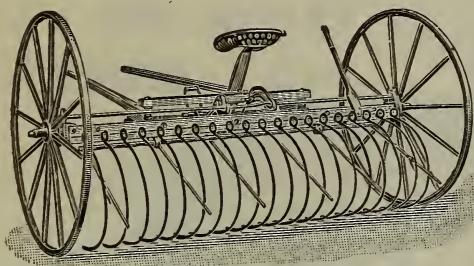
Built of Steel throughout, has six forks, is strong and durable, adjustable for one or two horses.

PRICE, - - - - - \$55.00

The Flying Dutchman Side Delivery Rake. This can be used in connection with the Hay Loader or in an entirely separate manner. It is however more often used with the Hay Loader and in this way hay can be raked, loaded and transferred from the field to the barn very rapidly. Price - - - - - \$80.00

DRAG RAKE.—For Raking after load. Price, - - - - - \$1.00

NEW YORK CHAMPION RAKE



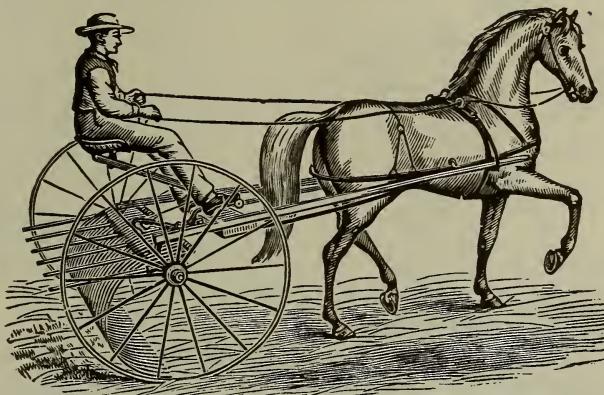
The Champion is too well known to need an extended description. It is a very strong, easy and thorough working rake. It has stood the hard tests of New England work for years.

8 ft. Wood Rake (26 teeth),	\$28.50
9 ft. Wood Rake (26 teeth),	31.50

THE McCORMICK RAKE

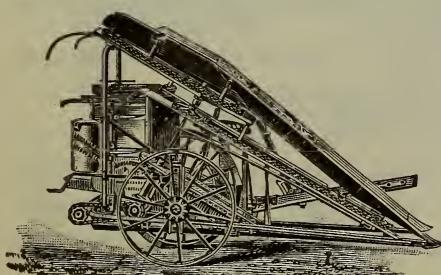
An excellent Self-Dump Steel Rake 8 feet wide—has 25 teeth also two guard teeth; easily operated, strong and durable. Price \$32.00

THE YANKEE HORSE RAKE

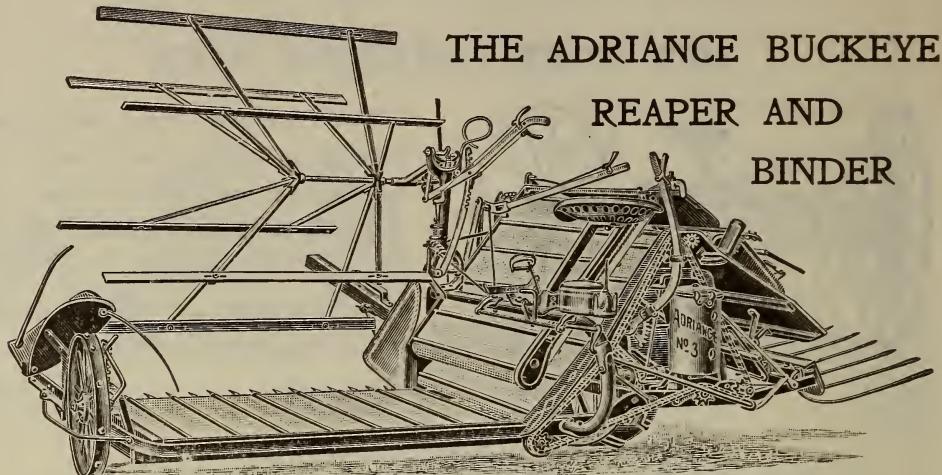


A very well known and thoroughly reliable rake, very easy to operate. Very much liked in the Berkshire Hills. Price \$32.00

THE ADRIANCE CORN BINDER



This is a splendid working, strong and substantial machine, and backed up by the well-known Adriance Buckeye people. Contrary to a general claim by some other manufacturers, this is one of the lightest draft corn binders made. Let us show you this machine. We guarantee it. \$160.00

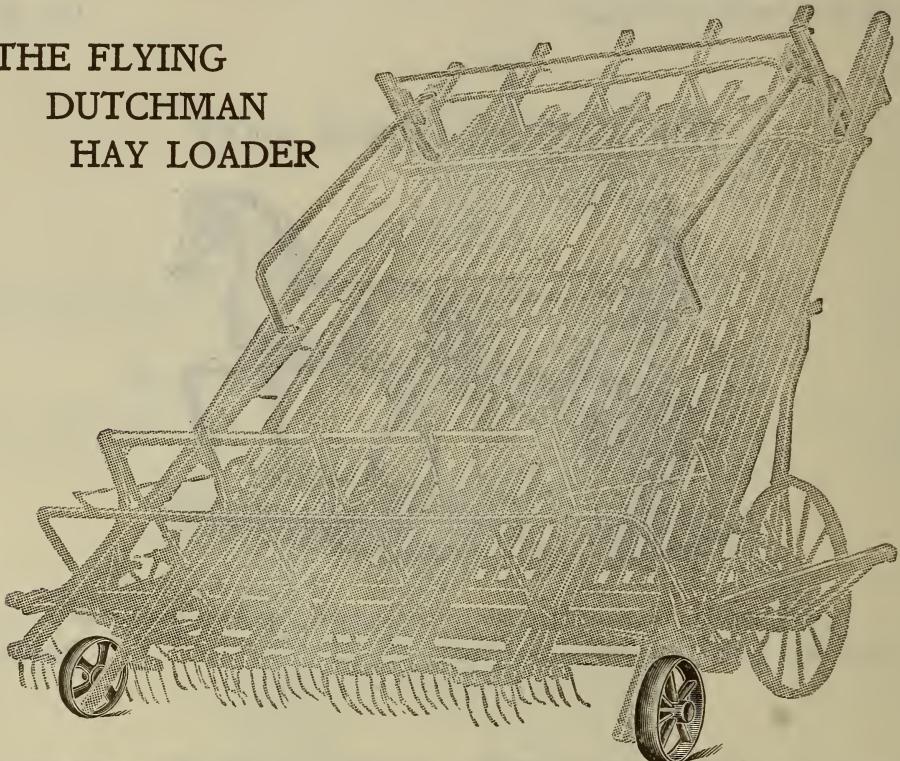


THE ADRIANCE BUCKEYE
REAPER AND
BINDER

One of the best on the market, strong, light draft, and a perfect worker. Special Binder Catalog on Application.

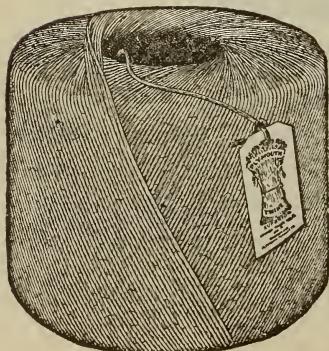
Price \$170.00

THE FLYING
DUTCHMAN
HAY LOADER



Loads from swath or windrow—a great labor saver and probably one of the best loaders made. Price, \$90.00.

HAY CAPS—Canvas. Prices given on application.



BINDER TWINE

Our Binder Twine is smooth, even, more feet to the pound than many other makes. It is Plymouth Twine, none better—in balls of 5 lbs. each—10 balls to the bale. Prices according to market.

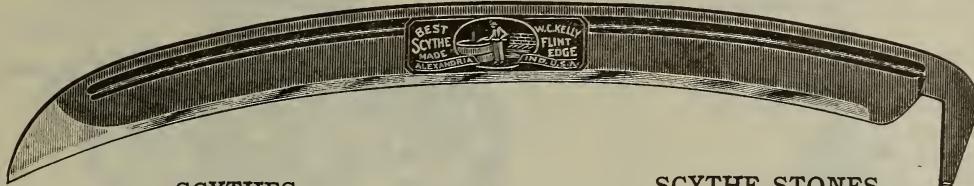
HAND HAY AND LAWN RAKES

Extra, 3-bowed, Hay, - - -	\$.40	Extra Wood Lawn, - - - - -	\$.40
" 2- " - - - - -	.35	Leaf Guard, " - - - - -	.60
No. 1, 2- " - - - - -	25c and .30	Wood Rake Teeth, doz., - - - - -	.10

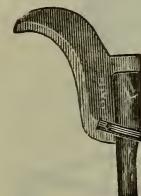
WIRE LAWN RAKE,—Reversible, 50c.

SCYTHE SNATHS

Ash, - - - - -	\$.85	Ash Bush, - - - - -	.85
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**SCYTHES.**

Clipper, - - - - -	\$.90
Solid Steel, - - - - -	1.00
Our Special Solid Steel, - - - - -	1.25
Bush, - - - - -	1.00
Bramble, - - - - -	1.00
Grain Cradle, - - - - -	1.75
Snath Wrenches, - - - - -	.05
" Loops, - - - - -	.10

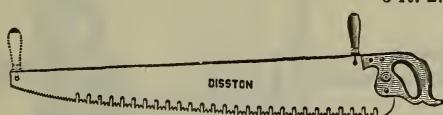
**BUSH or BILL HOOKS**

Heavy, (handled),	\$ 1.00
Mattocks, (Grub Hoes)	\$.75

SAWS.

DISSTON	
Cross Cut—Narrow, including handles,	5 ft. \$1.50
" " "	5½ ft. \$1.75
" " "	6 ft. 2.00

SIMONDS	
	No. 0214
Cross Cut—Narrow, including handles,	5 ft. \$2.00
" " "	5½ ft. 2.25
" " "	6 ft. 2.50



DISSTON	
Cross Cut one man	3½ ft., \$2.25
" " "	4 ft., 2.50
" " "	4½ ft., 2.75
Buck Saw—Either narrow or wide blade,	\$1.00 and \$1.25
" Blade only,	75c and 90c
" Frame only,	35c
" Strainers,	15c



Carpenters' "Cut Off" Disston's	20, 24 and 26 in.
in two grades,	\$1.50 to \$2.75
Carpenters' "Cut Off" Simonds	\$1.50 to \$2.75
Quinnipiac	\$1.25
Keyhole Extension,	.45
Saw Clamp (Swivel),	\$1.25

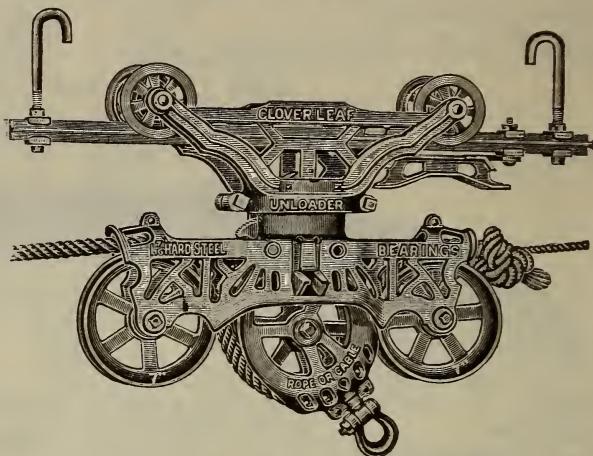
GRAFTING WAX.

Trowbridge, ¼ lb. stick,	- - - - -	15c
" ½ lb. stick,	- - - - -	25c
" 1 lb. stick,	- - - - -	40c

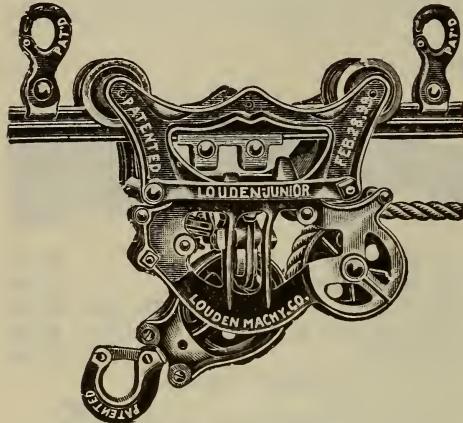
CLOVER LEAF STEEL TRACK HAY CARRIER

An up-to-date, practical Swivel and Reversible Carrier. Simple in construction. Anyone can put them up.

Clover Leaf Car,	- - - -	\$8.00
Double Steel Track, per ft.,	-	.20
Steel Track Hanger, per doz.,	-	1.50
Brackets, per doz.,	- - -	.80
Floor Hooks, each,	- - -	.15
Pulleys, Knot Passing, each,	-	.50
" Wood Sheave, each,	-	.50
" Iron, each,	- - -	.50
Drive Screws, per gross,	-	1.00



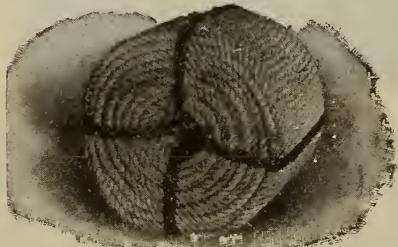
Louden Junior Hay Carrier



One of the best Hay Carriers, operates in any kind of barn—it is Swivel and Reversible.

Price Louden Junior Car,	- - -	\$7.00
" " Senior "	- - -	9.00
" " Double Bead Track, ft.,	-	.20
" Standard Hangers, doz.,	- -	1.75
" Screw Eyes, each,	- - -	.15
" Hoisting Whiffletree, each,	-	1.75

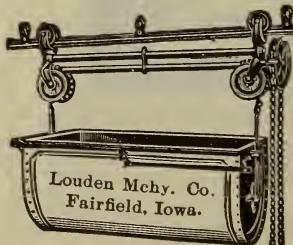
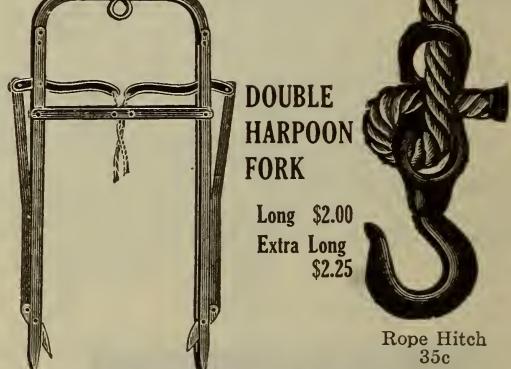
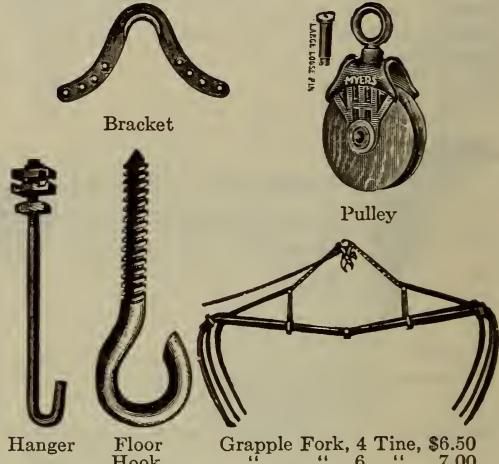
ROPE



We carry in stock pure Manila Rope, sizes from $\frac{3}{4}$ inch to 1 inch; prices according to market.

Hay Bale Ties

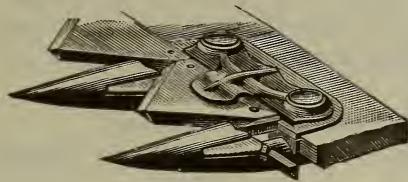
Stock sizes: 7 ft. 3 in. and 9 ft. Prices variable.



Louden Litter Carrier

An excellent carrier
Prices on application

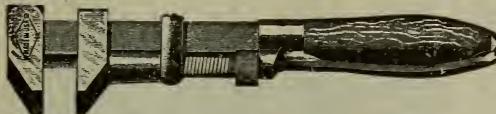
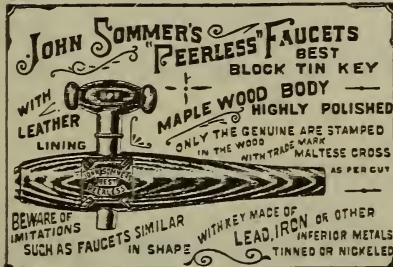
MOWING MACHINE KNIVES, SECTIONS GUARDS AND REPAIRS



OILERS

No. 1. Zinc Oiler (Buckeye)	15c
No. 2. " " (tall)	10c
No. 3. " " (Cut)	15c
Sewing Machine Oiler	10c and 15c
Steel and Copper	20c to 50c
Oil Can, One Gallon . . . . .	.25c
Oil Can, Five Gallon	75c, \$1.00 and 1.50

FAUCETS



Coe's Agric'l		
Monkey Wrenches, 6 in.	\$.65	40c
" " 8 in.	.70	50c
" " 10 in.	.80	60c
" " 12 in.	1.00	70c
" " 15 in.	1.35	
" " 18 in.	2.00	
" " 21 in.	2.50	

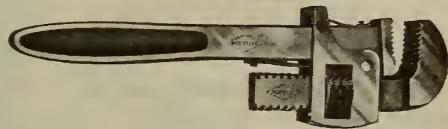
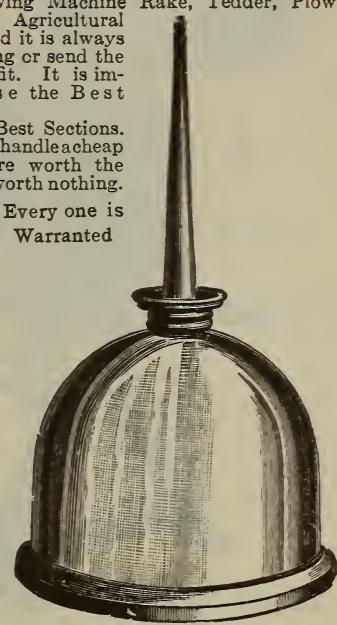
The furnishing of these goods is an important part of our business. We are in a position to supply you with PARTS of any Mowing Machine Rake, Tedder, Plow, Harrow, or most any Agricultural Implement made; and it is always best if possible to bring or send the old parts to insure a fit. It is important that you use the Best Knives and Sections.

We sell only the Best Sections. We positively refuse to handle cheap section. The best are worth the money, the others are worth nothing.

No. 1. Metal Key	Every one is Somers' Best.....40c
No. 2. Metal Key	Warranted
Somer's Best.....50c	
Ivy Wood 6 inch	10c
" " 7 "	15c
" " 8 "	20c
Leather Lined Wood 6 inch	10c
Leather Lined Wood 7 inch	15c
Leather Lined Wood 8 inch	20c
Leather Lined Wood 9 inch	25c
Self-Ventilating,	
No. 0.....15c	
No. 1.....20c	
No. 1½.....25c	

Stilson Wrenches

6 in.	\$.90
8 in.	1.00
10 in.	1.10
14 in.	1.50
18 in.	1.75
24 in.	3.00
36 in.	5.50
48 in.	8.50

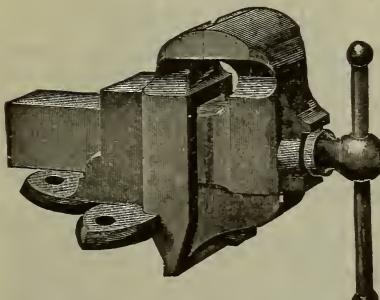


SCREW DRIVERS



PRICE, 10c TO 75c

Nail Hammers steel, 35c and 65c	
" " Maydole, 75c and \$5	
Riveting "	50c
Tack "	10c and 25c
Cold Chisels, each	15c
" " (heavy) each	25c to 50c
Rivet Punches,	20c and 25c



Our Standard Vise

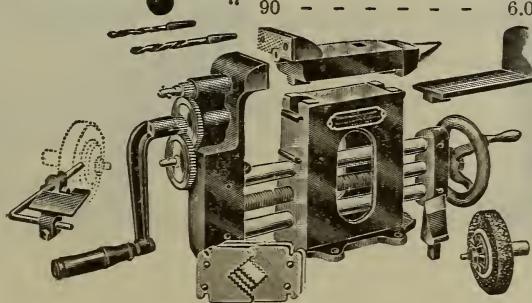
Not a cheap one, but a strong, well-made vise

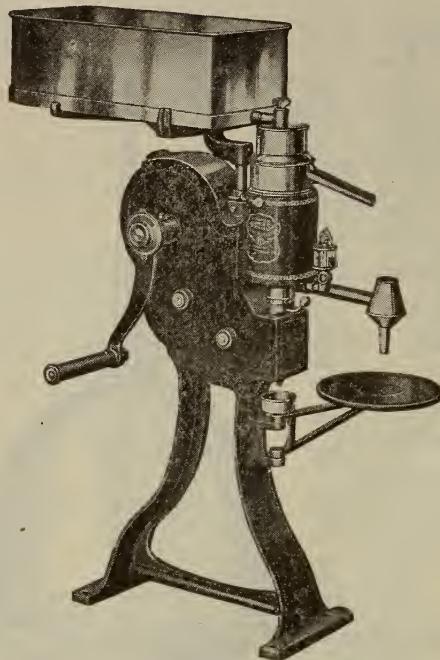
No. 63 and 64 - - - - -	\$2.00
" 65 - - - - -	2.75
" 67 - - - - -	5.00
" 87 - - - - -	2.75
" 88 - - - - -	4.00
" 89 - - - - -	5.00
" 90 - - - - -	6.00

The Handy Worker

A Very Handy Tool for any Shop combines several hand working tools, Vise, Pipe Vise, Anvil Cutting Hardie, Drill Press, and Grinding Wheel.

Price \$12.50





NEW UNITED STATES CREAM SEPARATOR

Low Frame; it is built with the greatest accuracy to insure thorough skimming, long service, easy cleaning, ease of operation and simplicity.

Interlocking Style (Latest).

No. 40 Guar. Cap.	175 lbs.	\$35.00
No. 39 "	300 "	50.00

Fitted with
Electric Motor
(Alternating)
Extra

No. 18 Guar. Cap.	350 lbs.	\$67.50	\$45.00
No. 17 "	450 "	77.50	45.00
No. 16 "	600 "	85.00	45.00
No. 15 "	750 "	95.00	45.00
No. 14 "	1,000 "	110.00	50.00
No. 12 "	1,350 "	135.00	50.00

Direct Current Motor \$5.00 less than Alternating.

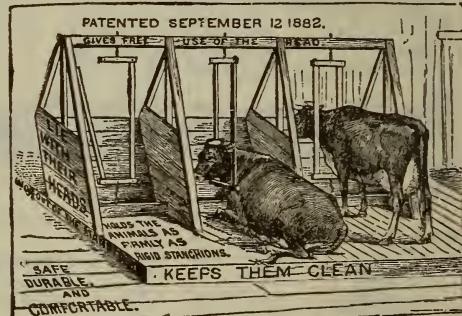
CHAIN HANGING CATTLE STANCHIONS

The best and easiest method for fastening cattle in the stable.

PRICE, Wood	- - - - -	\$1.50
" Steel	- - - - -	\$2.00

Chain Cattle Ties.

Medium,	- - - - -	.35
Heavy,	- - - - -	.45
Very Heavy,	- - - - -	.85



DANA'S STOCK LABELS

An easy and practical way of marking Stock. Cattle labels may be marked with owner's name not exceeding 13 letters, and post office address, not exceeding 13 letters. Sheep label size has room for only 10 letters, Per doz. Per hun. Cattle labels lettered and numbered, .75 \$4.00 Sheep and hog labels lettered and numbered, .40 2.00 PUNCHES.—Cattle label size, Each \$1.50 Sheep " " " 1.00

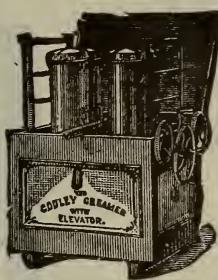
The New Sharples' Suction-Feed Tubular Separator

No.	Capacity	Price
1s	175 to 250 lbs.	\$50.00
2s	250 " 350 "	60.00
3s	350 " 450 "	70.00
4s	450 " 555 "	85.00
6s	650 " 750 "	100.00
9s	850 " 950 "	120.00

Prices on Tubular A Styles on application.

COOLEY CREAMERS With ELEVATOR ATTACHMENT

TOO WELL KNOWN
TO NEED
EXPLANATION HERE



WRITE FOR SPECIAL
CIRCULAR AND
SPECIAL PRICES

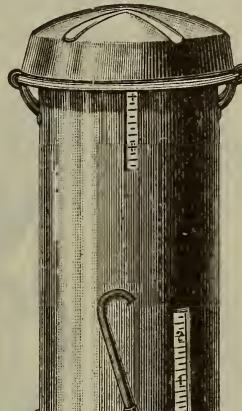
No. 00	2 cans, 4 to 6 cows	25 by 31 in., 2 ft. 7 in. high.	
No. 1.	Not manufactured.		
No. 2.	4 cans, 9 to 12 cows,	31 by 37 in., " "	" 320 lbs., 45.00
No. 3.	6 " 12 to 18 "	31 by 49 in., " "	" 380 lbs., 57.00
No. 4.	8 " 18 to 24 "	31 by 63 in., " "	" 480 lbs., 68.00
No. 5.	10 " 24 to 33 "	31 by 76 in., " "	" 540 lbs., 79.00
No. 6.	12 " 30 to 36 "	31 by 94 in., " "	" 700 lbs., 93.00
No. 7.	14 " 36 to 42 "	31 by 109 in., " "	" 810 lbs., 105.00
No. 8.	16 " 42 to 48 "	31 by 122 in., " "	" 900 lbs., 117.00

Prices on CABINET CREAMERS on application.

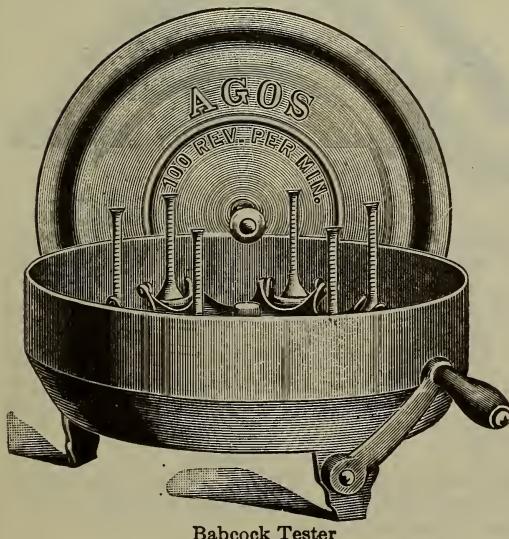
COOLEY
CREAMER CANS

PRICE,

with cover and siphon faucet,
\$3.00 each.



Cooley Can



Babcock Tester

Power—Dog, Sheep or
Goat

Single Power with regular
pulley, 21 inch, \$18.50
Double Power with regular
pulley, 21 inch, \$25.00
Clutch Pulley on Separator
extra, \$3.50

Agos Babcock Tester

THE LATEST AND BEST
Cast Iron Body and Cover,
Spur and Spiral Gearing,
Machine Cut Teeth

PRICES— 4 Bottle, \$8.00
6 " 9.00
8 " 10.00
10 " 12.00
12 " 14.00

Pipette for tester, 40c
Acid Measure for tester, 30c
Cream Bottle for tester, 50c
Milk Bottle for Tester,
30c and 80c



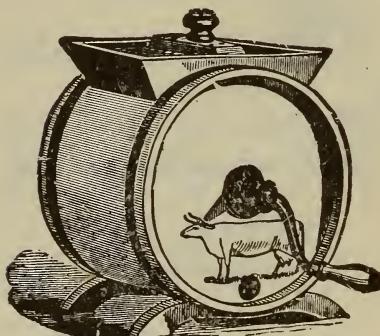
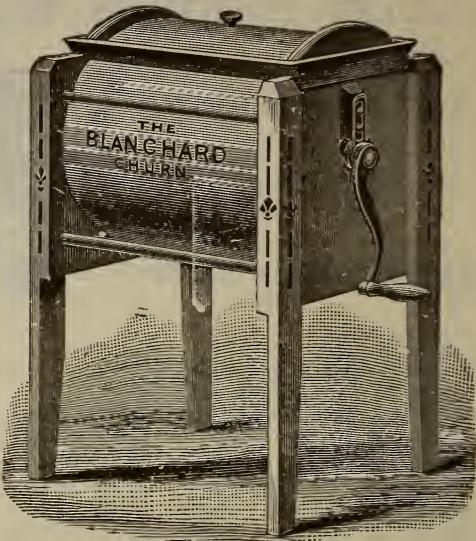
Cream Gauge

For determining the
per cent of Cream in
Milk. 85c

BLANCHARD CHURN

Probably the Best Crank Churn
in Use

	List.	Net.
No. 3 Churns up to 2 gals.,	\$6.00	\$5.50
No. 4 " " 4 gals.,	7.00	6.50
No. 5 " " 8 gals.,	8.00	7.50
No. 6 " " 12 gals.,	10.00	9.50
No. 7 " " 16 gals.,	12.00	11.50
SEPARATORS.—See page	62.	



Cylinder Churn

DAVIS SWING CHURN

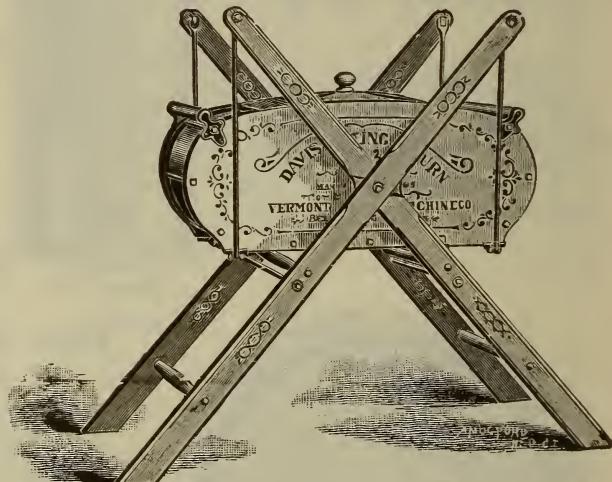
Easy to Operate.

Easy to Clean.

No Floats or Paddles.

One of the Best Churns Made.

CYLINDER CHURN		A Good Low Price Churn.	List	Net
No. 1	\$2.50	\$2.25
No. 2	3.00	2.75
No. 3	3.50	3.25
No. 4	4.00	3.50
No. 5	5.00	4.25



Size.	Capacity.	Will Churn.	Extra for Iron
			Price. Y and Pitman
No. 1	8 gal.,	4 gal. or less,	8.50 \$.75
No. 2	10 "	5 " " "	10.00 .75
No. 3	16 "	8 " " "	11.00 .75
No. 4	20 "	10 " " "	13.00 .75
No. 5	26 "	13 " " "	16.00 1.00
No. 6	34 "	17 " " "	19.00 1.00
No. 7	60 "	30 " " "	32.00 1.25
No. 8	80 "	40 " " "	37.00 1.50
No. 9	100 "	50 " " "	42.00 1.75

There is less liability of getting churning too large than too small. Be sure and order churning large enough. There must be room in the churn to produce the concussion, and a small churn filled too full will require a longer time for churning.

THE SURPRISE CHURN

Easy to Operate.

Easy to Clean.

No Floats nor Paddles.

The cover fastenings never give way and let the head out. Iron parts galvanized.

		Price
No. 1 Churns from 1 to	4 gals.	\$10.50
No. 2	" 2 "	11.50
No. 3	" 3 "	13.50
No. 4	" 4 "	16.50
No. 5	" 5 "	21.00
No. 5½	" 5 "	26.00
No. 6	" 6 "	29.00
Extra for 12x3 pulley,		3.00
" " tight and loose pulleys 12x3,		6.00

Nos. 4 to 6 have 2 handles unless pulley is ordered, when only one handle is sent.

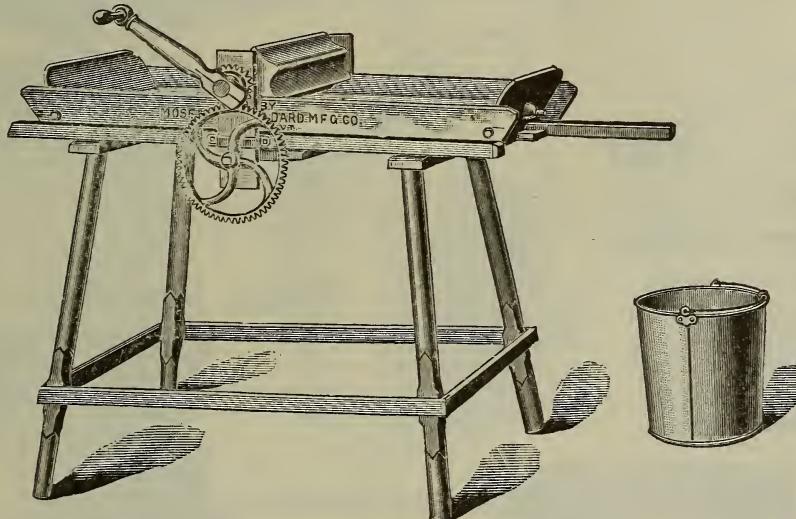
Cork, for barrel churn covers, per ft. 15c.

If you keep cows see us about the United States Cream Separator.



WATER'S BUTTER WORKER

Tray Removable, Takes Place of Butter Bowl.



Size of Tray	Length of Tray	Width of Tray	Capacity	No. of Cows	Price
0	27 in.	14 in.	1 to 15 lbs.	1 to 4	\$ 7.50
1	36 in.	15 in.	5 to 30 lbs.	4 to 8	8.50
2	36 in.	18 in.	5 to 40 lbs.	8 to 12	9.50
3	39 in.	20 in.	5 to 50 lbs.	12 to 18	10.50
4	48 in.	22 in.	10 to 75 lbs.	18 to 30	12.50

“Wyandotte” Dairymen’s Cleaner and Cleanser

A Splendid Washing Powder for all milk and dairy utensils.

280 lb. Barrel,	\$11.20
Barrel of 50—5 lb. sacks,	11.00
80 lb. Keg,	4.00
5 " Sack,	.35

Use Atlas Cement for your stable floors and for concrete work about the barns.





Up-to-Date Milk Cooler

This is the best and most convenient Cooler on the market. It not only cools the milk but aerates it.

No.	Capacity of Milk Receiver.	Size of Dairy.	Price.
1	14 quarts	5 to 10 cows	\$7.00
2	18 "	10 " 25 "	7.00
3	22 "	25 " 50 "	8.00
4	46 "	50 " 100 "	10.00

Reid's Butter Shipping Box

Capacity.	Price.
12 lb. Prints	\$4.00
20 " "	4.25
30 " "	5.00
40 " "	5.50
56 " "	5.75
80 " "	6.25
96 " "	7.00
120 " "	7.50
24 half lb. Prints	4.60
36 " "	5.25
64 " "	6.00
80 " "	6.25
100 " "	7.00
120 " "	7.50
140 " "	8.00

SALT

"Retsof" Lump Salt.....per lb., \$.01
" " "per ton, 15.00

No. 1, "Retsof" (best for ice cream, etc.) per bag,
200 lbs., \$1.25

Cattle Salt, (coarse fine).....per 140 lb. bag, 1.25
" (coarse fine).....per 56 lb. bag, .60

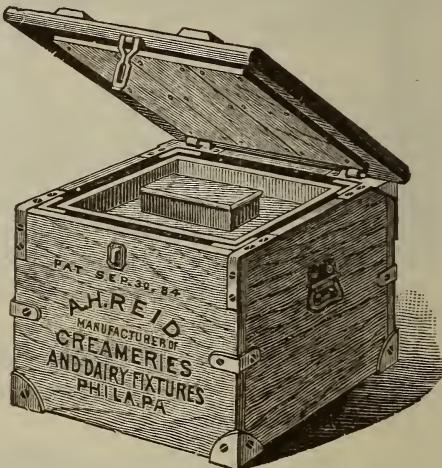
Dairy Salt, (High Grade).....per 56 lb. bag, .75
" Worcesterper 56 lb. bag, .85

Turk's Island Meat Salt.....½ bushel sack, .60
" " "1 bushel sack, .90
" " "2 bushel sack, 1.65

Roto Salt Holder.—35c each.



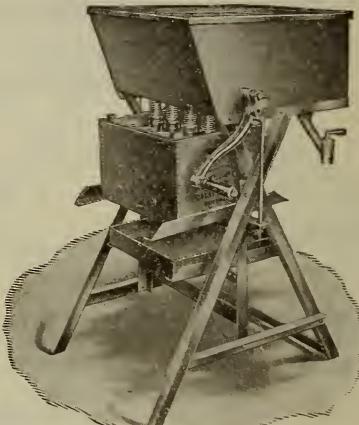
Roto Salt Cake.—15c each, \$1.50 per doz.
Square " 25c each.



Thatcher's Orange Butter Color

Small Bottles.....	\$.25
Large Bottles.....	.50
One Quart Cans.....	1.00

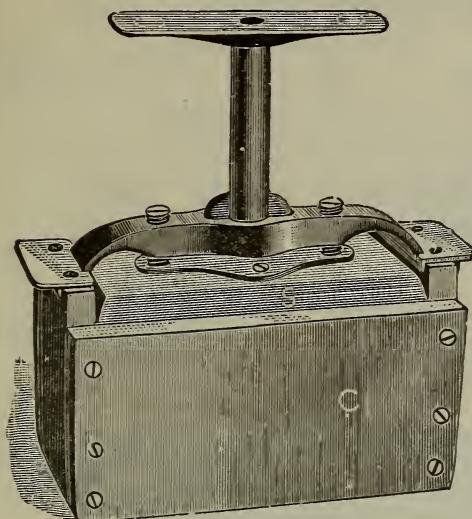
Wright Milk Bottle Filler



Made with Galvanized Steel frame, tinned copper tank, and sanitary fittings. Bottles filled perfectly with no topping off or overflow.

No. 4-filler	\$50.00
9 "	80.00
32 "	200.00

Bottle Cases, quarts, with bottom corner irons and retainers,	1.75
Pints, with bottom corner irons and retainers,	1.85



No. 2 Butter Molds

Butter Moulds

No. 2 Mould, Price
1 lb., \$3.00
2 lbs. \$4.00
Daisy Mould, 1 lb.,
\$1.50; $\frac{1}{2}$ lb., \$1.25
Commonsense Mould,
1 lb., \$1.00
Individual, 15c
CARVING.—Any name,
monogram or design
carved on moulds to
order.

Butter Ladies, Price 15c

Flat Butter Spades,

plain, Price 10c

Concave Butter Spades,

plain, Price 15c

Butter Spades, creased,

Price 10c and 15c

Milk Measures.—Tin,
accurate will seal, $\frac{1}{2}$
pt. 25c, 1 pt. 25c, 1
qt. 35c, 2 qts. 45c, 4
qts. 65c.

Milk Dippers, 60c

Measuring Rods for 20-
30 and 40 qt. cans,

80c

Central Strainer Pail—Detachable strainer, heavy,.....\$1.50
Heavy Tin Milk Pail—14 quarts..... .80

" " " " 12 "

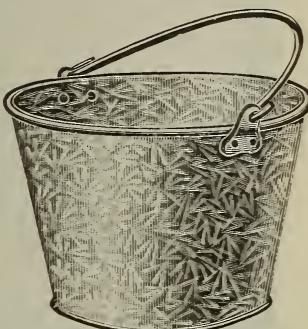
" " " " 12 "

Common Strainer Pail,
\$1.00, \$1.25 and \$1.50

Sterilac Milk Pail,—Sanitary, all
parts cleanable, 2.75



Milk Measure



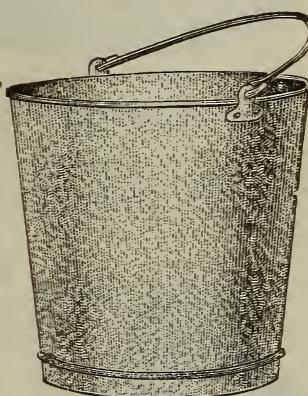
Mule Pail 65c



MILK PAIL



STRAINER PAIL

**Galvanized Iron
Pails**

Plated, 20, 25, 30 and 35c.

Teat Dilators each 30c, set of 4, \$1.00.

Stricture Cutters, \$1.50.

CATTLE LEADERS, 15c.

OX BOW PINS, 20c Per Pair.

CATTLE CARDS, Common Size, 15c
large size 25c.COW BELLS, No. 1, 60c; No. 1 $\frac{1}{2}$,
50c; No. 2, 40c; No. 3, 35c.

SHEEP BELLS 15c and 25c.

WEANERS, Small Calves, 40c;
Medium Yearlings, 50c; Large
Cow, 65c.OX MUZZLES, heavy, 50c Per
Pair.BULL RINGS, Copper, Medium,
40c; Copper, Large, 50c; Can-
non Metal, very heavy, \$1.75.
PUNCH, 75c.RUBBER APRONS, Heavy, \$1.75
and \$2.25RUBBER MOP OR SQUILGEE,
75c and \$1.00.WOOD STABLE FORK (best),
90c.

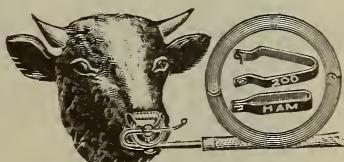
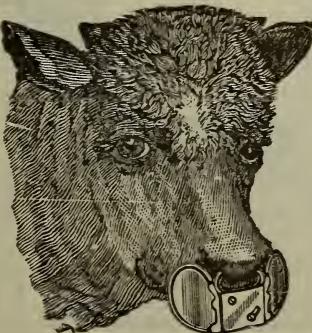
12 Quart, .35

12 Quart, heavy, .45

14 Quart, heavy, .50

14 Quart, extra heavy, .65

14 Quart, Mortar, .85

BULL STAFF

THE KING..... \$5.50
BULL STAFF, Light..... 1.25



Railroad Milk Can New York Pattern

RAILROAD MILK CANS

NEW YORK PATTERN

20 Quart	\$3.50
30 "	3.75
40 "	4.00

Special price to milk dealers using quantities.
SPECIAL ATTENTION is given to supplying Combination
Shipping Cans for milk, butter, eggs, cream.

RAILROAD MILK CANS

SPECIAL DELIVERY PATTERN WITH CHAINS

12 Quart plain	\$4.25
16 "	4.50
20 "	4.75

PADLOCK EXTRA

Extra for Cream Compartment.....	.35
" Marking each plate.....	

MILK PANS—Heavy Tin

6 Quart,	Each	Per Dozen	10 Quart	Each	Per Dozen
8 "	.20	2.25	12 "	.25	2.50

Boston Milk Can, City Delivery Pattern

Quarts.....	1	2	3	4	6	8	10
Price Heavy Tin	40c	60c	70c	80c	90c	1.10	1.35

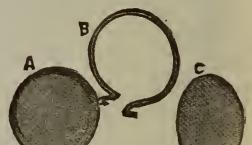
" 1C

" 25c

30c

35c

40c

**SPECIAL MILK STRAINER**

An excellent strainer, in fact the best and easiest to keep clean that we have found. Price, Medium size, \$1.00; Large size, 1.50
COMMON STRAINER..... 50c



Boston Pattern

WOOD BUTTER BOWLS

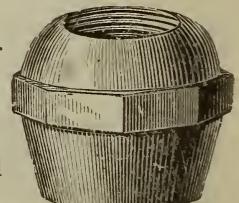
Best Quality, 13 inch	Price	\$.50
" " 15 inch	"	1.00
" " 17 inch	"	1.50
" " 19 inch	"	1.75

OX BUTTON, Octagon. (See cut), 20c per pair.

OX BUTTON, Tall Pattern, 50c per pair.



Special Strainer

**WEATHER VANES**

Special Illustrated Sheet of Designs and Prices sent on application.

BLATCHFORD'S CALF MEAL

25 lb. Bag, - - - - -	\$1.00
50 lb. Bag, - - - - -	2.00
100 lb. Bag, - - - - -	4.00

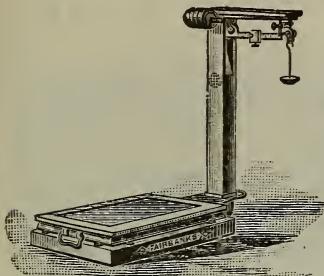
CALF CORDIAL, - - - - - pkg. 50c



**Blatchford's Calf Meal
Saves the Cow's Milk**

Makes calves profitable. Every pound is a gallon of rich milk—equal at one-fourth the cost of milk. Steam cooked—prevents scours. Calves develop rapidly. [Young pigs need Blatchford's Pig Meal at weaning time. Prevents set-back, promotes steady growth.] At dealers or write us. Free Book—"How to Raise Calves Cheaply and Successfully Without Milk." (5) Blatchford Calf Meal Factory, Madison St., Waukegan, Ill.

PLATFORM SCALE

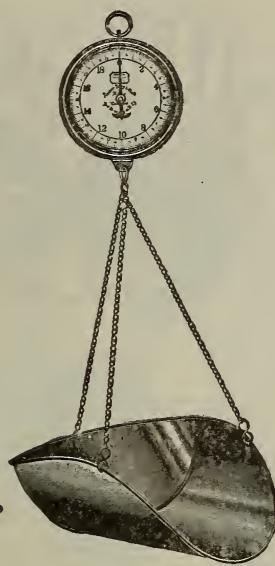


A very accurate scale, especially good for farmers' use.
Capacity 1000 lbs., \$20.00



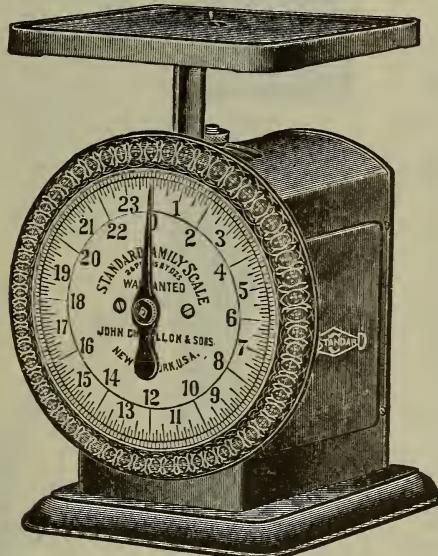
FAMILY OR DAIRY SCALES

Capacity, $\frac{1}{2}$ oz. to 240 lbs., positively accurate, with platform and brass scoop, Price \$10.00
Ice Scales, Chatillons, weighs from 5 lbs. to 200 lbs., Price 3.00



PEDDLERS' SCALE

Weighs up to 25 lbs., enameled top.....\$1.00 and \$1.25
Special Milk Scale weighs 30 lbs. by ounces.....\$3.50
Special Milk Scale weighs 60 lbs. by 2 ounces.....4.00
Special Milk Scale weighs 60 lbs. by tenths.....4.50
Scale Beams, heavy Japanned, 300 lbs. capacity, \$2.25; 400 lbs. capacity, \$2.50; 500 lbs. capacity, \$2.80.



Peddler Scales, 30 lbs. by ounces, with $\frac{1}{2}$ bushel scoop,	\$7.50
Peddler Scales, 60 lbs. by ounces, with one bushel scoop,	8.00
Parcels Post Scales,	2.50
Butcher's 20 lb. Dial Scale, with Pan,	3.00

SCALES

If you contemplate putting in what is termed Hay Scales, we would be pleased to give you an estimate.

Parchment Butter Paper

PURELY VEGETABLE

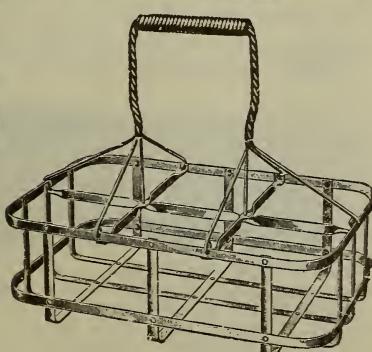
Stock Sizes—7x9, 8x11, 8x12, 9x12,—other sizes to order. Printed to comply with law.
Per 1000 sheets, - - - - - \$1.50
" lb., - - - - - .35

Common Sense MILK BOTTLES

Quarts, 6c each, 72c doz;
Pints and Half-Pints, 5c each, 60c doz. CAPS for same, Small, per lb. 30c;
Large, per lb. 30c. Per box of 5M, \$1.90. FLIP-PER, per box of 5M, \$2.10.

Special Prices on Large Quantities.

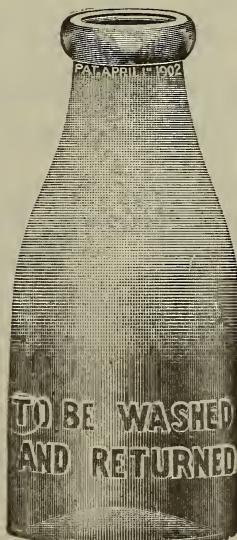
The use of these Bottles insures the neat delivery of milk and cream.

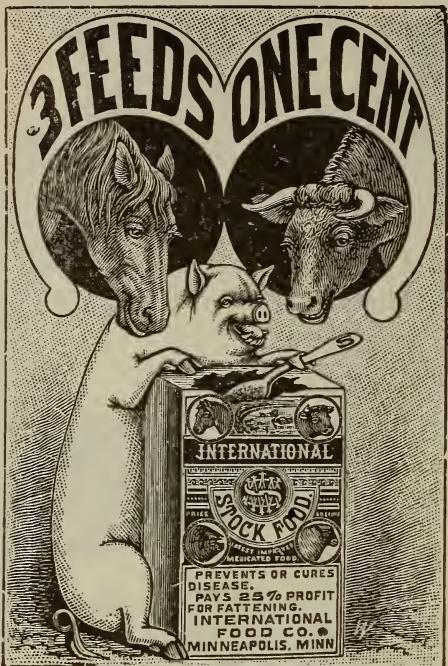


Wire Carrying Baskets

For delivering milk in bottles, 4 bottle size, 75c, 6 bottle size, 90c,
8 bottle size, \$1.10.

DAIRY FLOATING THERMOMETER.....Price \$1.00





INTERNATIONAL STOCK FOOD

This food we find gives excellent satisfaction.
Price per small package \$.25
" medium "50
" large " 1.00
" pail (25 lbs) 3.50
International Heave Cure50

WHITE ROCK HOOF PACKING.—An excellent article.

Small size	\$.25
Medium .....	.50
Large	1.00

KOKKURE.—A medicine for cows only.
Prices, small can, 50c; large can, \$1.00.

GRANGE GARGET CURE.—For the cure of milk fever and garget. Price 50c

PRATT'S ANIMAL REGULATOR.—Very reliable, per pkg. .50c and \$1.00

COMMON SENSE CALF FEEDERS.—\$2.00. Nipples, each.25

SILVER PINE HEALING OIL.—Per bottle 50c

REFINED PINE TAR.—Per can 10c and 20c.

COAL TAR.—Pt. can 15c, qt. 30c, gal., 55c

Whiffletrees, Eveners, Neck Yokes

These we have made for us out of firstclass timber, and the trimmings are of forged steel.

NECK YOKES.—Short, each \$1.50
" Long " 2.75
" All steel, per set 7.00

EVENERS.—Medium 2.50
" Heavy 2.75

WHIFFLETREES.—Medium, each 1.50
" Heavy, each 1.75

EVENERS AND WHIFFLETREES.—

Per set \$5.00 to 6.00
All steel, per set 7.50

EVENERS.—Factory made 1.25

WHIFFLETREES 75

NECK YOKE Factory made90

CHAINS

STAKE. —Heavy, short link, per pair,	80c, \$1.10, \$1.50
SHORT TRACE. —Medium, per pr.	.45
SHORT TRACE. —Very heavy, per pr.	.55
LONG TRACE, per pr.	.85

LOG OR STONE CHAIN.

¾ in. x 12 ft., 1 grab hook, 1 common hook,	\$2.75
7-16 in. x 12 ft., 1 grab hook, 1 common hook,	3.25
7-16 in. x 14 ft., 1 grab hook, 1 common hook	\$3.50
½ in. x 14 ft., 1 grab hook, 1 common hook	4.25

LOG CHAIN.

¾ in. x 12 ft., hook and ring,	\$2.50
7-16 in. x 12 ft., hook and ring,	3.00
7-16 in. x 14 ft., hook and ring,	3.25
½ in. x 14 ft., hook and ring,	4.00
Ruggie Chain,	

\$3.50 and 4.50

STONE BOAT OR DRAG.

Prices from \$6.00 to 9.00

STEEL CROW BARS.

Per lb., .07

STONE BOAT FRONT.

Steel used with straight

plank,

32 in. with bolts, 3.50

34 in. with bolts, 4.00

40 in. with bolts, 4.50

CANT. OR LOG HOOKS



Vermont Pattern, light	1.50
" " heavy	1.75
Maine "	1.75

TIMBER CARRIERS, — each.



SPLITTING WEDGES. —	
Round head, per lb.	.08
SPLITTING WEDGES. —	
Sq. head, per lb.	.07
WOODCHOPPERS' MAUL. —	
Steel, per lb.	.15
SLEDGES. —Steel, per lb.	.20
STONE HAMMER	.20
HAND "	.25
" DRILLS "	.25
WEDGES AND SHIMS. —Per lb.	.25

PAINT



paint and satisfaction. A paint for every need. Get our colors cards.

LOWE BROTHERS' VARNISHES—Excellent goods in six kinds.

"Elastic General Purpose," "Quick Action House," "Interior House," "Durable Floor," "Spar Varnish," and "Crystal Finish" all packages carry the little blue flag denoting quality.



Finish your woodwork the way you want it with

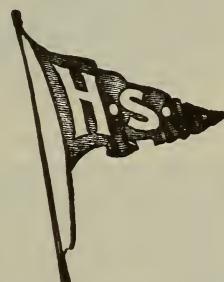


VERNICOL

Easy to apply and durable. Sold in cans of convenient sizes.

Ask for Color Card

LOWE BROTHERS' "MELLOTONE," Flat Colors for Interior Decoration on Wood-work and Walls, Rich, Mellow, Beautiful, Permanent, Washable.



This Little Blue Flag
on every can



Chi-namel

ASK FOR COLOR CARD

CHI-NAMEL. For Staining and Varnishing in one operation, also Graining. AN EXCELLENT ARTICLE.



GENUINE STANDARD CYPHERS INCUBATORS

(Look for Trade Mark—Demand the Label.)



Practical poultry raisers who desire the greatest possible success should look for and DEMAND the qualities that have made Cyphers Incubators WORLD-FAMOUS.

FIRE-PROOFED
INSURABLE
SELF-VENTILATING
SELF-REGULATING
NON-MOISTURE
EFFICIENT, DURABLE and
POSITIVELY GUARANTEED.

Do not buy a "single wall" incubator, they are much more expensive in the end, buy a Cyphers and you get the best.

PRICES OF CYPHERS FIRE-PROOFED INCUBATORS

No. 0 Holds	70 Hen Eggs	\$16.00	No. 2 Holds	244 Hen Eggs	\$37.00
No. 1 "	144 "	25.00	No. 3 "	390 "	44.00

NOTICE.—The above prices are factory prices. In buying of us you save on freight, and also save valuable time. Ask for special Cyphers catalogue.

SUPERIOR HOT-WATER INCUBATOR (Cyphers)

The Superior Hot-Water and Columbia Hot-Air Incubators are expertly built of first-class materials throughout.

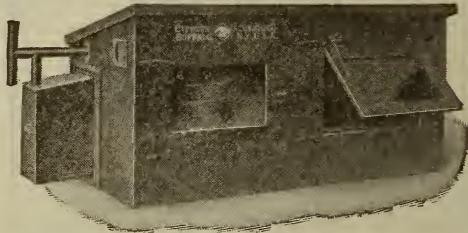
PRICES

Superior Small size,	65 Egg capacity	- - - - -	\$13.00
" Large "	130 "	- - - - -	18.00

COLUMBIA HOT AIR,	Small size,	140 Egg capacity	18.00
" "	" "	250 "	25.00

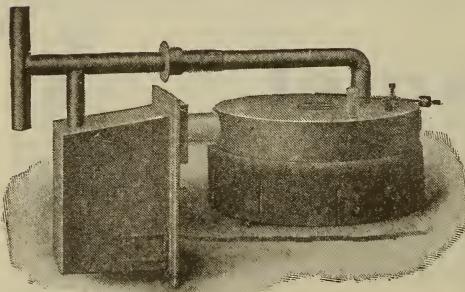
STANDARD CYPHERS BROODERS and Colony Roosting Coops

The 1917 Cyphers Brooders have the same important advantages over other makes that are possessed by the 1917 incubators. They are self-regulating, self-ventilating, Fire-Proofed and Insurable. Easily converted into colony roosting coops by simply removing the hover.



Prices:

Style A Brooder, Capacity	- - - - -	75 chicks, \$15.50
" B "	- - - - -	100 " 19.50

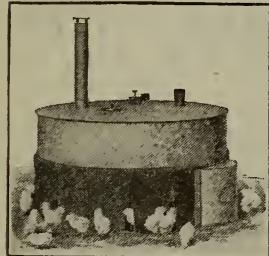


ADAPTABLE HOVER

Mothers the chick

better than a hen

Self-Regulating, Self-Ventilating, complete with Regulator and Thermometer and bearing Underwriters' Label, \$10.00.



Cyphers Portable Brooding Hover

For Handy and Economical Brooding of Chicks and Ducklings. Is self regulating, self ventilating, all metal, lamp is readily removable for trimming, filling &c.

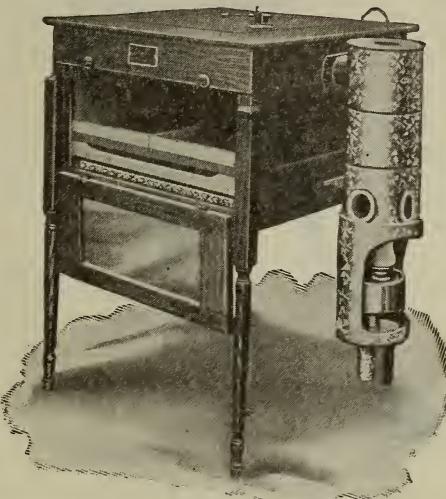
Price. \$10.00.

THE BANNER INCUBATOR

A splendid hatcher, built of California Redwood, double walled. Hatches healthy chickens from every hatchable egg.

Prices:

Banner Special— 75 Egg Capacity	\$15.00
" No. 1—150 " "	24.00
" " 2—300 " "	36.00
" " 3—450 " "	47.50
Banner Coal Burning Brooder,	15.00



Parcel Post Egg Box

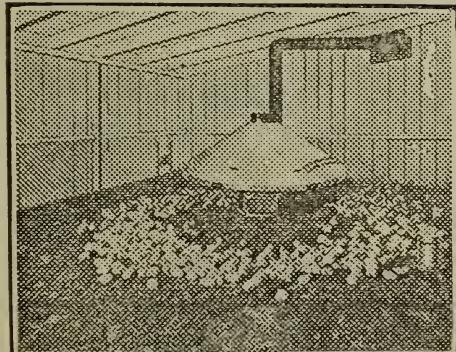
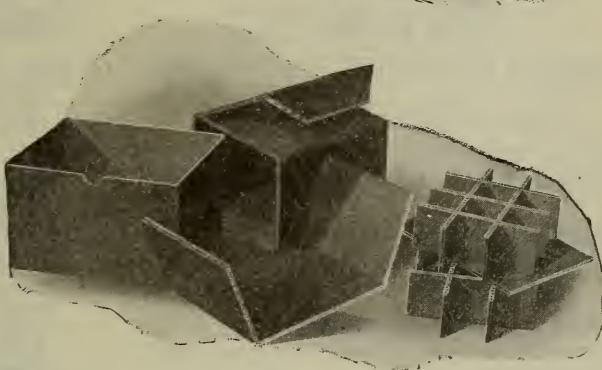
PARCEL POST EGG BOX.—Capacity 1 doz., 8c each.

PARCEL POST EGG BOX.—(for settings)—Capacity 15 eggs 20c each.

PARCEL POST DAY OLD CHICK BOXES—25 chick size, 35c, 50 chick, 50c; 100 chick, 75c;

EGG CARTONS.—(Capacity 1 doz.)—each 1c, doz. 12c, per 100, 90c.

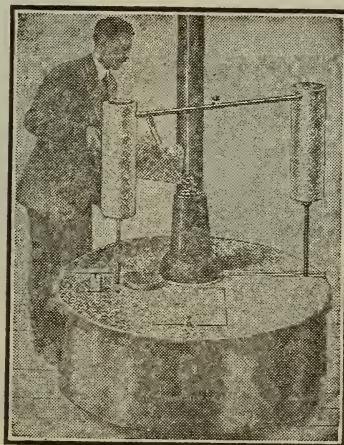
WATER GLASS.—For preserving eggs, one gallon preserves 50 dozen eggs. Per qt., 30c; per gallon, 75c.



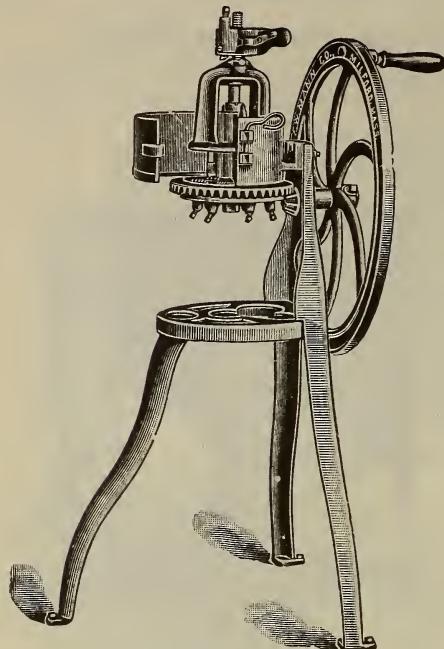
Newtown Giant Coal-Burning Colony Brooder

Automatic coal feed, simple, safe, economical.
Price No. 10—for 300 chickens — — \$20.00
Price No. 11—Little Giant for 500
 chickens — — — — \$25.00
Price No. 12—Giant for 1500 chickens \$32.50
Price No. 7—Premier \$15.00

The Blue Hen Colony Brooder



This is a coal burning Brooder heated by hot water coils, safe and satisfactory. No. 5, up to 500 Chicks, \$30. No. 6, up to 1500 Chicks, \$35.00.



Chicken Feed Cutter

Cuts 1-4, 7-16, 3-4 inches.

Has three 6 1/4 inch knives and is a rapid cutter
Price \$15.00.

Nest Eggs

China, per dozen, .30
Adjustable, Climax or Eclipse

Leg Bands

Per dozen, 15c, Per 100, .75

Spirol Leg Band, per dozen, .20
Poultry Punches, - - - 25c and 50c

NORWICH AUTOMATIC EXERCISER AND FEEDER

No. 1, \$3.00;
No. 2, \$3.90;
No. 3, \$4.90;
No. 4, \$6.00.

BOSTON HOPPER,
(Fig. 4).—For Dry Feed, large size \$1.00

BOSTON HOPPER.—Long Chick size, \$1.50.

PEERLESS FEED HOPPER.
Suspends from ceiling, \$1.75.

SEXTON'S DRY FOOD HOPPER—
\$1.50



THE MANN BONE CUTTER

For Grinding Green or Dry Bone, An Excellent Machine Our Price.

No. 5-C. With crank,	\$ 6.00
No. 5-B. " balance wheel,	8.00
No. 5-B-M. " " and stand,	10.40
No. 7-B. " " "	12.00
No. 7½. Semi-Power,	16.00
No. 9. With bal. wheel and stand,	18.40
No. 11. Power Machine,	26.00

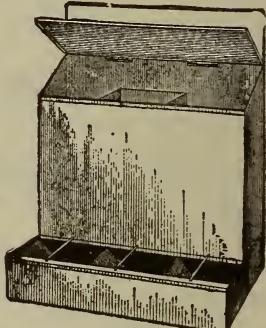
Howard's Roup Remedy

A medicine of merit,
Per Box - - - - - 50c
Pratts Roup Cure, 25c, 50c
Dr. Hess Roup Cure, 25c



Conkey's Roup Cure

Per box, - - - 25c and 50c
Conkey's Cholera Cure 50c
Conkey's Gape Cure, 50c



DRY FEED HOPPER.—
(Fig 7.)—85c



Fig. 6

Fig. 7 WIRE HENS' NESTS.
Each 20c. Per doz., \$2.00.
SANITARY SELF-FEEDING BOX, (Fig. 6) for feeding shells, grit, bone, etc. Made of Heavy Galvanized Iron. Price 70c.

Price 30c



Egg Testers
- - - - - 25c and 50c

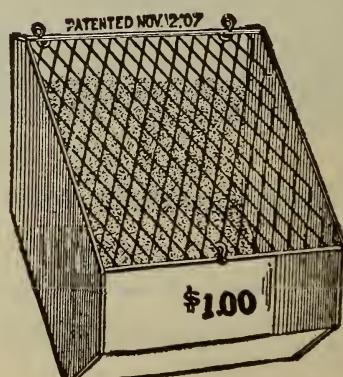
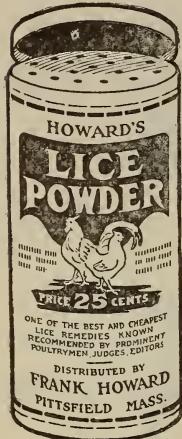


Fig. 4

DEATH TO LICE POWDER

This has given excellent satisfaction, doing perfectly the work intended.

Small Package	\$.25
Medium " .....	.50
Large "	1.00



LIQUID LICE KILLER

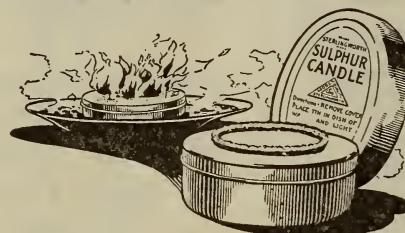
This is a liquid insecticide for destroying lice on poultry, stock, etc., and is an excellent article, very easy to use, and does its work thoroughly. It is also a disinfectant.

Price 1 Quart Can.....	\$.35
" 2 " .....	.60
" 4 "	1.00

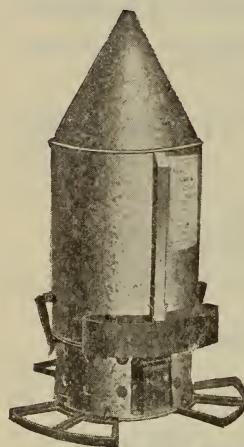
DR. HESS LICE KILLER

1 lb. pkg. 25c

Sulphur Fumigating Candles, Each 15c.

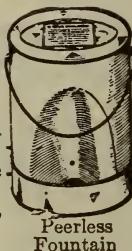


PEERLESS POULTRY FOUNTAIN.—Large size, 85c, Chick size, 35c; Heater for large size \$1.00.



Cyphers Poultry Fountain

25c 35c 45c



Peerless Fountain

Norwich Airlock Fountain

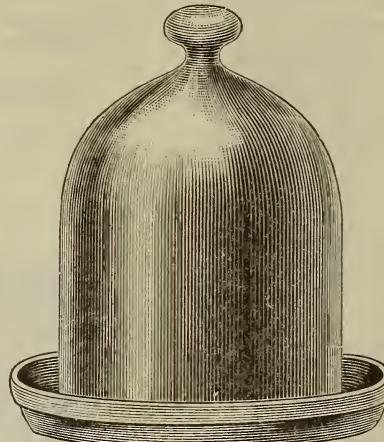
Complete with Burner and Base.....\$4.00

STONE WARE POULTRY FOUNTAIN,—35 and 50c.

Cyphers Brooder Thermometer for A Brooder, 55c

Standard Incubator Thermometer

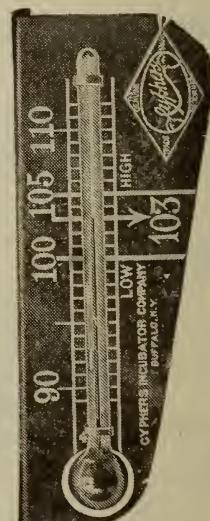
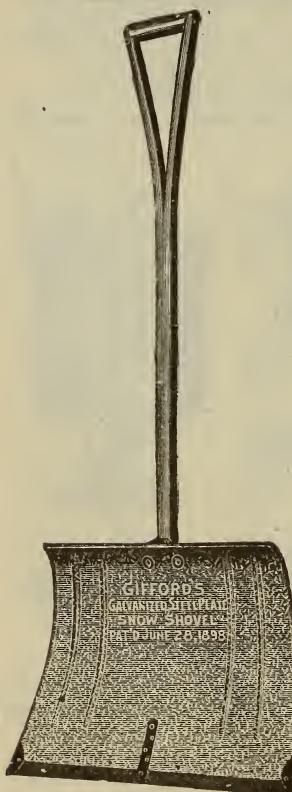
Price 75c



SNOW SHOVELS

Boys' Rural [11x14 inch Sheet iron tip,.....	25c
Cole 16x20 inch Steel edge tip,.....	60c
All Steel.....	75c
Galvanized Iron.....	85c
Galvanized Boys'.....	25c

Sidewalk Chisels (Socket Forged) ..60c & 75c
Incubator Hygrometer\$1.50
Caponizing Sets\$2.50
Poultry Killing Knife..... .60



Incubator Lamps

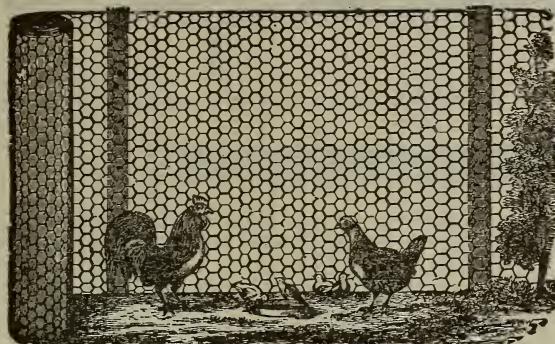
Plain, No. 0, complete with burner, - - - - - \$1.00
Plain, Nos. 1, 2 and 3, complete with burner, - - - - - 1.25

Incubator Burners

No. 0, 40c; No. 1, 55c; Nos. 2 and 3, 65c.

GALVANIZED POULTRY NETTING

WE HANDLE THE BEST MAKE OF NETTING.



POULTRY NETTING STAPLES.—Per lb. package,

STOCK WIDTHS—2 inch Mesh.

12 inch, full roll.....	\$1.20
18 " "	1.80
24 " "	2.40
36 " "	3.55
48 " "	5.25
60 " "	6.56
72 " "	7.90

Less than full roll, 1 cent per square foot.

STOCK WIDTHS—1½ inch Mesh.

12 inch	
18 "	In full rolls of 150 lineal feet, 1½c per square foot.
24 "	
30 "	
36 "	Less than full roll, 2c per square foot.
48 "	
60 "	

12c

AMERICAN FIELD FENCING

The best fencing made for stock of any kind. It is strong, neat and safe; will stop anything from a pig to a buffalo.

Made in widths from 22½ inches to 58 inches. Stock numbers are 845-12, 635-12, and 832-6.

Stock numbers on Poultry and Rabbit fence are 2158-6.

AMERICAN PARK and PADDOCK FENCE

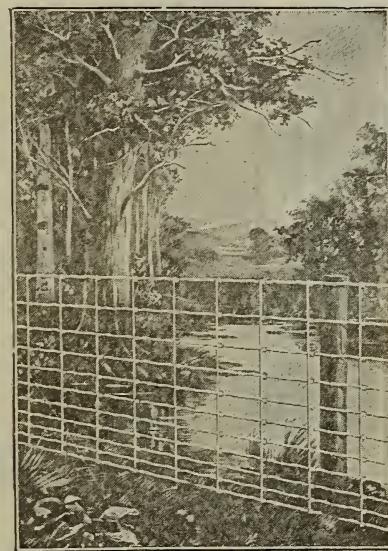
Made in six designs, the highest 88 inches, the lowest 61 inches. Prices on Application.

ELLWOOD LAWN FENCE

This is especially designed for Lawns and Yards. Is 2 in. mesh, making it hard to climb, is very strong and neat, can be used with our steel posts or on wood posts; made in various heights. Prices on application.

Send for our Special Fence Book, which will tell you all about the American fences and the Yankee Gates.

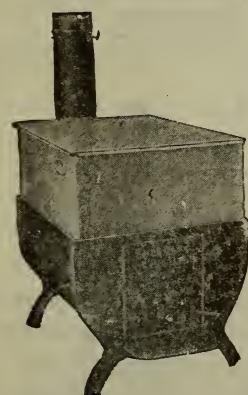
See inside back cover for other Lawn Fence.



FARMERS' FAVORITE FEED COOKER

For Butchers, Sugarmakers, Poultrymen and Dairymen. The Boiler is made of Galvanized Steel. The price is for cooker complete, consisting of stove or fire box, galvanized boiler with cover, one length 6 in. pipe and damper and 6 in. elbow.

No. 1—Capacity 25 gallons,	- - - - -	\$10.00
No. 4— " 50 "	- - - - -	13.00



Farmers' Favorite Cooker

FARMERS' BOILERS

15 Gallon, for Wood and for Coal.....		Prices on application
22 " " " " " "		
30 " " " " " "		
45 " " " " " "		
60 " " " " " "		
90 " " " " " "		
120 " " " " " "		



BUTCHER KNIVES—5, 5½, 6, 7, 8, 9, 10, 12, 14.
KNIVES Prices—35c, 45c, 50c, 60c, 65c, 75c, \$1.00, \$1.25, \$1.50

STICKING KNIVES—Warranted, 5 in. 40c; 6 in., 50c.

HOG SCRAPERS—Each	15	HOG RINGS—Per 100	15
" Catchers, each	85	" Ringers	25



The above is cut of 2 point Barb-Wire. This is the style of barb-wire now in general use. Comes on reels of 80 Rods each.



PLAIN 2-PLY FENCE WIRE—This is safer than the Barb-wire for horse pasture; it also makes a neat lawn'fencing. If the end posts are firmly set so that they do not give it will never sag. We are always in a position to name you Low Prices on first class steel fence wire.

AMERICAN FENCE POSTS

Made of steel, galvanized, almost indestructible

Gage and Design	Length in Feet	Approximate Weight in lbs.	List Prices
No. 16 Line Post.....	5	5.7	\$.38
*No. 16 Line Post.....	6½	7.	.44
*No. 16 Line Post.....	7	7.75	.49
No. 16 Line Post.....	7½	8.5	.53
No. 16 Line Post.....	8	9.	.57
No. 16 Line Post.....	9	10.5	.66
No. 13 Line Post.....	5	8.	.48
No. 13 Line Post.....	6½	10.	.60
No. 13 Line Post	7	11.5	.68
No. 13 Line Post.....	7½	12.25	.72
No. 13 Line Post.....	8	13.25	.79
No. 13 Line Post.....	9	15.	.89
No. 13 Line Post.....	10	17.	1.00
No. 13 Line Post.....	11	19.29	1.15
*No. 10 End Post.....	7	51.	3.10
*No. 10 End Post.....	8	59.	3.50
No. 10 End Post.....	9	67.	3.90
No. 10 End Post.....	10	119.	7.75
No. 10 End Post.....	11	122.	7.90
*No. 10 Corner Post ...	7	75.	4.60
*No. 10 Corner Post ...	8	86.	4.95
No. 10 Corner Post ...	9	97.	5.70
No. 10 Corner Post ...	10	195.	12.55
No. 10 Corner Post ...	11	197.	12.70
No. 10 Hitching Post .	6½	28.	2.00

Patent Automatic Lock Tackle Block

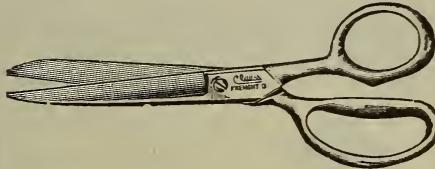
THIS LOCK HOLDS THE LOAD AT ANY POINT

	No. of Sheaves.	Size	Lbs. one man can hoist.	Lbs. Capacity.	List Price.
No. 8	2 and 1	3-8	300	600	\$3.00
No. 9	2 and 1	5-8	350	1000	5.50
No. 10	2 and 2	5-8	500	1500	6.00
No. 11	3 and 2	5-8	625	2000	6.80
No. 12	3 and 3	5-8	750	3000	7.60
No. 13	4 and 3	5-8	900	3500	8.35
No. 14	2 and 1	3-4	350	1250	6.50
No. 15	2 and 2	3-4	500	1800	7.00
No. 16	3 and 2	3-4	625	2500	8.00
No. 17	3 and 2	3-4	750	3700	9.00
No. 18	4 and 3	3-4	900	4000	10.00

COFFEE MILLS.....	50c, 75c, and \$1.50
APPLE PARERS—Hudson.....	.85
CHOPPING KNIVES.....	25c and 35c
REVOLVERS.....	75c to \$8.00
CORK SCREWS.....	.5c to \$1.00
CORN POPPERS.....	1 qt. 20c, 2 qt. 25c, 4 qt. .50
" " extra heavy.....	.50

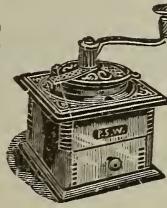
TABLE KNIVES AND FORKS

Nice assortment, ranging in price from
75c to \$2.50 per set.



MOUSE TRAP Sure Catch
6 for 10c

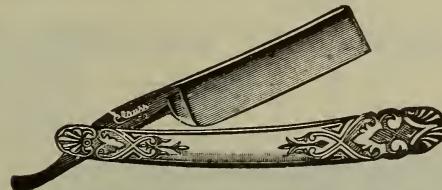
" " Round
each 10c



French Wire
25c and 40c



SCISSORS AND SHEARS—Our "Special"
Scissors are "best goods"—we have a full
line of these, also cheaper grades.



RAZORS

Our Special Brand of Razors are beauties and are splendid cutters. Prices from \$1.25 to \$3.00.

GILLETTE RAZOR—(12 extra blades)
\$5.00 and upwards

GEM JUNIOR RAZOR—\$1.00.

STAR SAFETY RAZOR—

\$1.50 and upwards

SEXTOBLADE SAFETY RAZOR—

\$2.00 and upwards

EVER READY SAFETY—\$1.00

RAZOR STROPS—Swing from 25c-\$2.

COMBINATION—35c to \$2.50.

LATHER BRUSHES—15c, 25c, 50c

65c, \$1.00 and \$1.50.

SHAVING MUGS—25c, 35c and 40c

RAZOR HONE—\$1.00.

KITCHEN KNIVES—10c, 15c, 20c, 25c.

DINNER

PAILS—Com-

mon, 25c.

DINNER

PAILS—

Heavy, 75c,
90c, \$1.00
and \$1.15.

LUNCH BOX-

ES—Tin 25c

LUNCH BOX-

ES—folding 25c

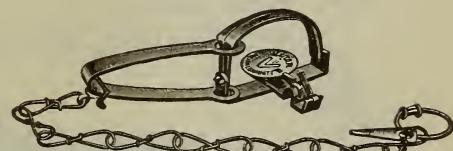
TACKS—

Gimp, Carpet

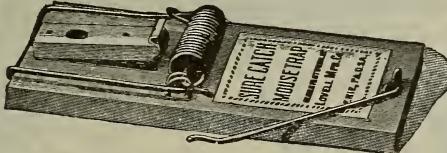
and Double

Pointed, per

pkt., 5c.



GAME TRAPS—20c to 75c



RAT TRAP
Sure Catch 15c

RAT TRAP
French Wire
50c and 85c

TACK PULLS—10c
CUTTLE BONE—Each—
FLOWER POT BRACKETS—Single Pot Bracket,

Two Pot Bracket, one arm,
Two Pot Bracket, two arms,

CARVING SETS—An assortment of warranted
sets, prices from

\$1.00 to \$10.00

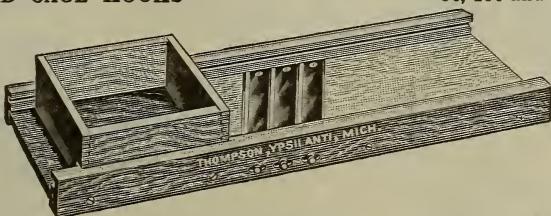
COUNTER DUSTERS—35c, 45c, 60c
WELL BUCKETS—Oak, galvanized hoop,

\$1.00

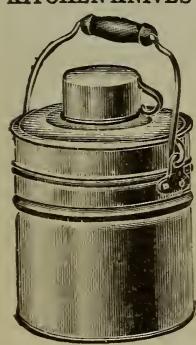
FLOUR SIEVES—
HAMMOCK HOOKS—Per pair,
BAIL AND BOX HOOKS—Each,

20c, 25c and 30c
15c

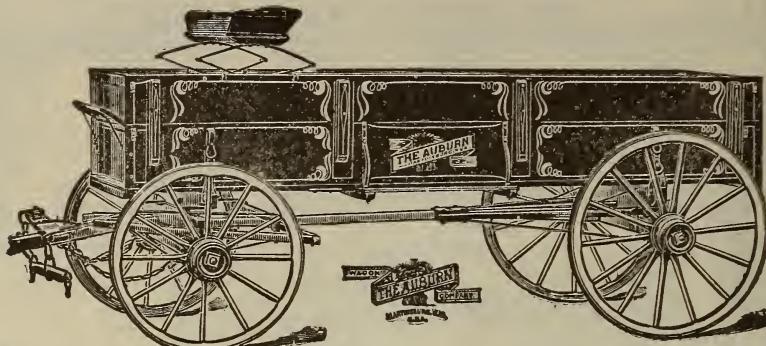
BIRD CAGE HOOKS—
5c, 10c and 15c



KRAUT or SLAW CUTTERS—(2 knives),
" " (3 knives),
" " (4 knives),
35c, 60c and \$1.50
\$2.00 and \$2.75
\$3.50 and \$4.00



AUBURN FARM WAGONS



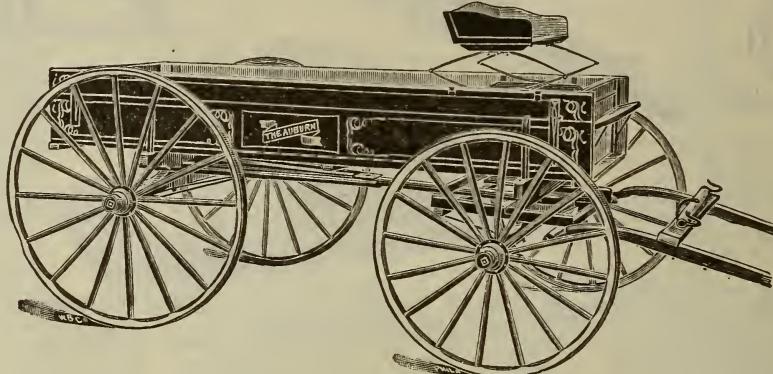
**The Lightest Running and Strongest Farm Wagons on Wheels
THOROUGHLY MADE THROUGHOUT, WELL FINISHED, FULLY GUARANTEED
BROAD TIRES.**

Style.	Size of Axle.	Kind of Wheels.	Size of Tire.	Price Gear Only.	Price Complete With Box. Top Box and Seat.
Solid Axle,	1 $\frac{3}{4}$ in.	Sarven	3 x 1 $\frac{1}{2}$ in.	\$94.38	
" "	2 "	"	" " "	114.34	\$111.32
Hollow Axle,	2 $\frac{1}{8}$ "	"	" " "	88.33	105.87
" "	2 $\frac{3}{8}$ "	"	" " "	94.38	111.92
" "	2 $\frac{5}{8}$ "	"	" " "	99.82	116.76

Double Box, Complete with Spring Seat, \$25.00.

Farmers' Farm Truck, gear only 3 $\frac{1}{4}$ x 10 in. Skeins, 3 inch Tire, Wheels 32 in. and 36 in., weight 500 lbs. \$49.50

AUBURN ONE HORSE WAGONS

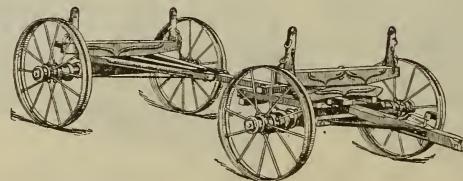


Gear Only.

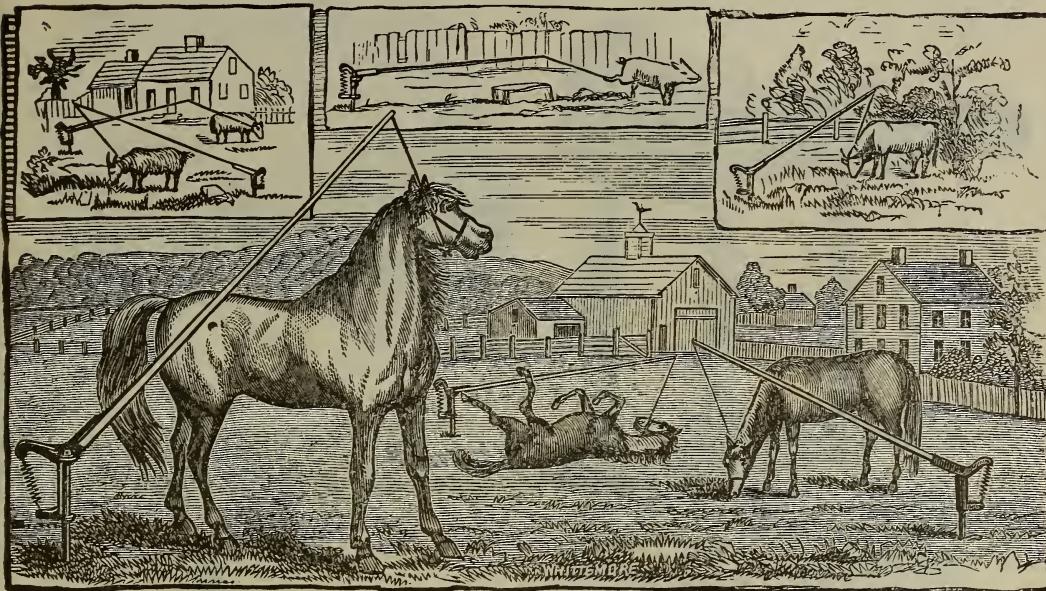
1 $\frac{1}{4}$ in. Solid Steel Axles, Sarven Wheels, 2 in. tire, \$47.50; complete with 9 ft. box, \$60.00
1 $\frac{3}{8}$ in. " " " " " 53.50; " " " 10 ft. " 65.50
Double Box, Complete with Spring Seat, \$11.00.

STEEL WHEEL FARM TRUCK

A Low Down handy wagon for farm use. Wheels 28 in. and 32 in., Tires 4 in Price
without box, \$35.00



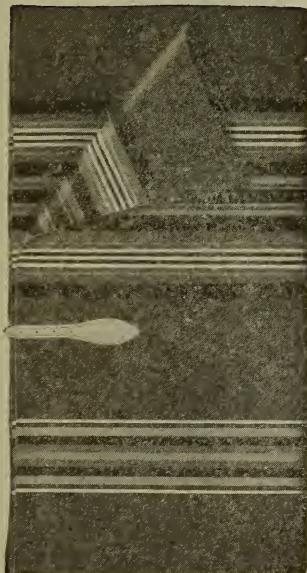
WRIGHT'S ANIMAL TETHER Price \$3.50



Stewart Power Horse
Clippers, \$7.50

Bottom Plate for Power Clipper, \$1.50
Top " " " " 1.00

Horse Blankets



We purchase our STREET and STABLE BLANKETS, Automobile Shawls and Robes from two very large blanket mills. We show a nice assortment and our prices are right.

HORSE CLIPPERS

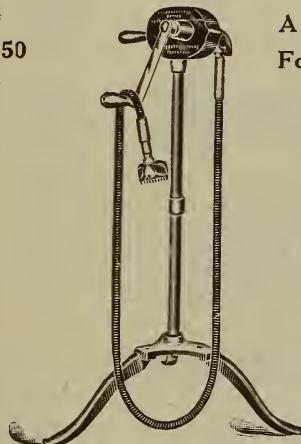
From..... \$1.25 to \$2.50

BODY OR BRISTLE HORSE BRUSHES
50c to \$3.00.

FEED BAGS..... \$1.00 to \$1.50
SLOW FEED..... \$1.50

A Splendid Machine
For Little Money

We grind plates for power machine
at 75c to \$1.00 per set.



HARNESS

We carry Farm and Team Harness,
Express and Light Harness, at attractive prices.

CURRY COMBS

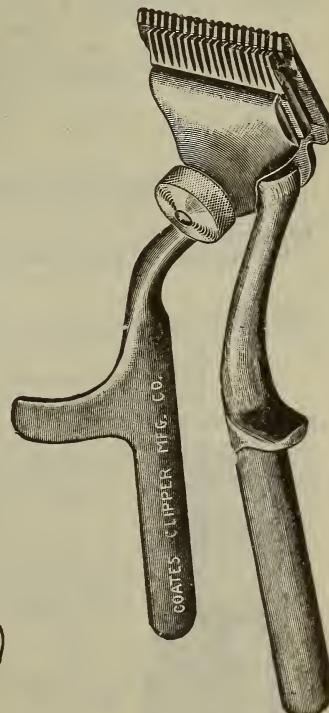
8-Bar Common Steel.....	15c
6-Bar, Best Steel.....	25c
8-Bar, Best Steel.....	30c
HARNESS PUNCHES (revolving) and 85c.	65c

HARNESS SNAPS

7-8 in. 6c, 1 in. 7c, 1 1-4 in. 8c, 1 1-2 in. 1 3-4 in. 9c, 2 in. 12c.

DANDY OR MANE BRUSHES

Rice Root, ....	.25c, .35c, .50c, .75c, .85c
MANE COMBS .....	.25c and .35c
BLANKET PINS .....	.5c



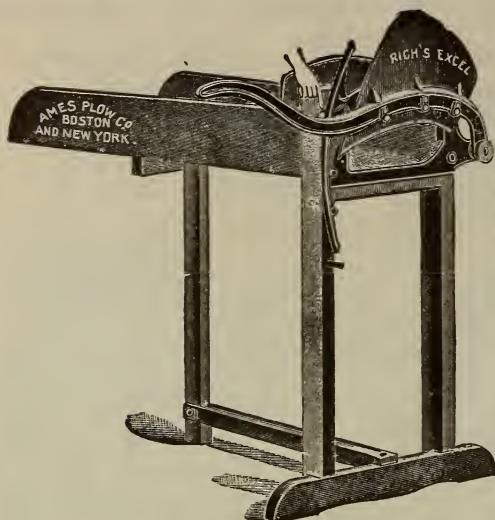
(Toilet Clippers)

TOILET CLIPPERS

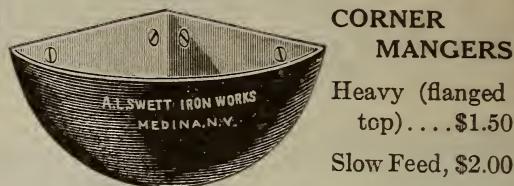
WAGON SHOES \$1.25 Each.	
SPONGES 25c, 50c, \$1.00 and \$1.50.	From..... \$1.25 to \$3.00
CHAMOIS fine large, 75c, \$1.00 and \$1.25.	

HALTERS (Horse) Leather, \$1.25, \$1.50 and \$1.75	
HALTERS (Calf) \$1.00	HALTERS (Cow) \$1.75
WHITE SAND, Per Quart 5c.....	Per Bag \$1.00
FETLOCK SHEARS.....	1.25
FARRIER'S KNIVES.....	.75



**LEVER FEED CUTTER**

No. 1, Straight Knife	\$4.50
No. 2, Curved Knife	5.00
No. 2½, " "	6.50

**CORNER MANGERS**

Heavy (flanged top)....	\$1.50
Slow Feed, \$2.00	

CORNER HAY RACK

\$1.85
HOG TROUGH,—Cast Iron 4 ft. long, \$4.00

WAGON JACKS

BOSTON.—No. 1, (leather protection)	3.60
No. 2, " " "	4.20
No. 3, " " "	4.80

LITTLE GIANT

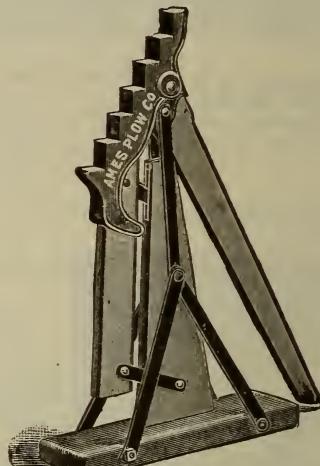
No. 10	\$1.80
No. 11	2.60
No. 12 Extra Braced	3.00

LIGHT CARRIAGE JACKS.

" " "	Price No. 10	1.50
" " "	No. 11	2.00
" " "	No. 12	2.60
ROPE TIES. —Jute, 1 Snap...	20	
" " " 1 Snap and Ring	30	
" " " 2 Snap and Ring	35	
" " Manila, 1 Snap and Ring	40	
" " " 2 Snap and Ring	50	
" " Cotton. 1 Snap and Ring	50	

RIVETING MACHINE

Price each	50
" Rivets for Acme machine, per box	10

**LITTLE GIANT JACK**

BROOM —Rattan Push,	85c
" " " Extra .....	.95c
" Steel Push.....	\$1.00
" Plain (Corn) or extra heavy.....	.85c
" Rattan Mixed.....	.90c
BELLS —Team, Medium.....	20c and 25c
heavy.....	.60c and .85c
Nice assortment Chime Bells for light Driving.	
COPPER RIVETS. —½, ¾ and ⅔ in. per pkt. 20c	
" Slotted assortment.....	10c
OAT SIEVES.....	.65c
AXLE WASHERS	Per coil, 15c



LANTERN —(Dietz) Lift wire	
No. 0, 60c; No. 1, 85c.	
LANTERNS —(Dietz) Blue	
" Dash .....	.85c
" Cold Blast,\$1.10	
" Delight, ..\$1.10	
EUREKA DRIVING LAMP. ..\$1.50	
LANTERNS —Tubular Driving	
Lamp ..3.50	
" Barn Lamps,	
1.75 and 2.50	
" Dietz Jr. Driving ..1.50	
LANTERN GLOBES —No. 0.	
10c; No. 1, 15c; red, 25c.	
LANTERN BURNERS ,	
10c and 15c	
LANTERN HOLDERS....25c	

WHIPS—Nice assortment of Team and straight Whips and Lashes.

PAILS—J. I. C. (Oak Stable)..... 75c

" White pine stable..... 50c

" Fibre, stable..... 75c

AXLE GREASE.—"4 Brothers," per box, 10c; per pail, 25c, and \$1.00; Snow Flake, 25c and 50c

AXLE OIL.—Castorine, Pints, 30c; Quarts, 50c

HARNESS OIL.—"New Departure," the best harness oil made. Pints, 35c; Quarts, 60c.

NEAT'S FOOT OIL.—Pints, 35c; Quarts, 60c.

HARNESS DRESSING,—(Frank Miller's), Quarts 50c; Pints, 30c.

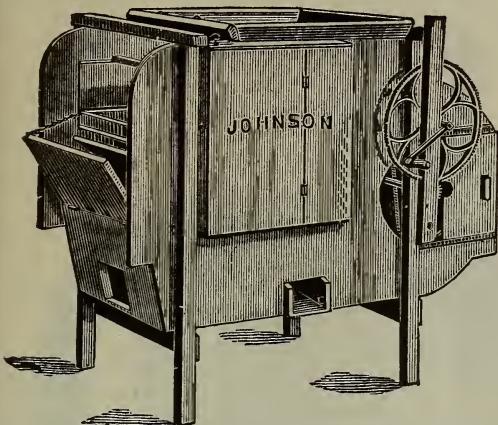
HARNESS SOAP.—Frank Miller's pan 25c and 50c

HARNESS SOAP.—Tub, \$1.00

MOWING MACHINE OIL.—Bulk, per Gallon, 40c and 60c. In Quart Cans, 20c; in Gallon Cans, 70c.

SEPARATOR OIL.—"Howard's Best," per Gallon, 75c.

GAS ENGINE OIL.—Gallon can, 85c.



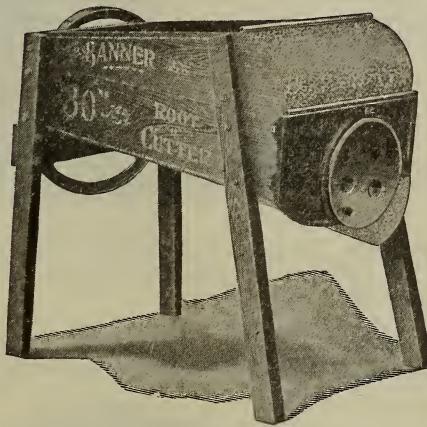
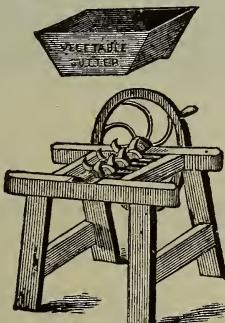
THE JOHNSON FAN MILL
The Popular Fan of New England

PRICE - - - - - \$20.00

BANNER ROOT CUTTER
A RAPID SLICER.

No. 20, Hand Machine,	- - - - -	\$10.50
" 30, " " "	- - - - -	18.00
" 31, All Steel and Iron	- - - - -	15.00

CHAMPION ROOT CUTTER
Has one set Fine Knives and one set Coarse. Price \$8.50.

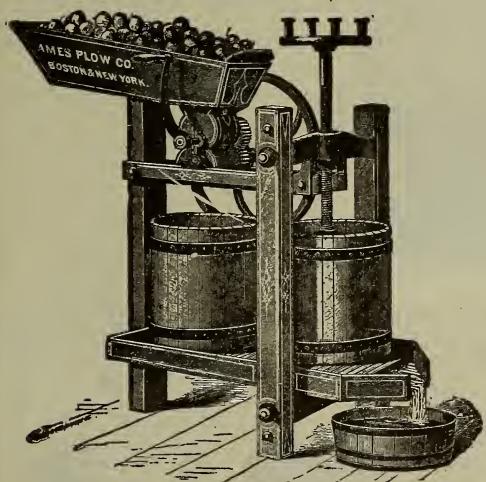


LARD AND WINE PRESSES

No. 1, 1 in. screw,	- - - - -	\$5.25
No. 2, 1 1/8 in. screw,	- - - - -	6.25
No. 3, 1 1/4 in. screw,	- - - - -	8.50
No. 3 1/2 iron beam, 1 1/2 in. screw,	- - - - -	14.25
No. 4, iron beam, 2 in. screw,	- - - - -	22.00
No. 4, iron beam, 2 in. screw, geared,	- - - - -	26.50
No. 5, iron beam, geared, 2 1/2 in. screw,	- - - - -	36.00

ALUMINUM CIDER MILLS

No. 1—Junior,	
Curbs 10x10 1/2 in.,	\$20.00
No. 2—Medium,	
Curbs 12x12 1/2 in.,	\$24.00
No. 3—Senior,	
Curbs 14x15 1/2 in.,	\$32.00

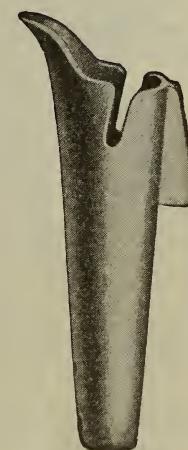


SAP SPOUTS

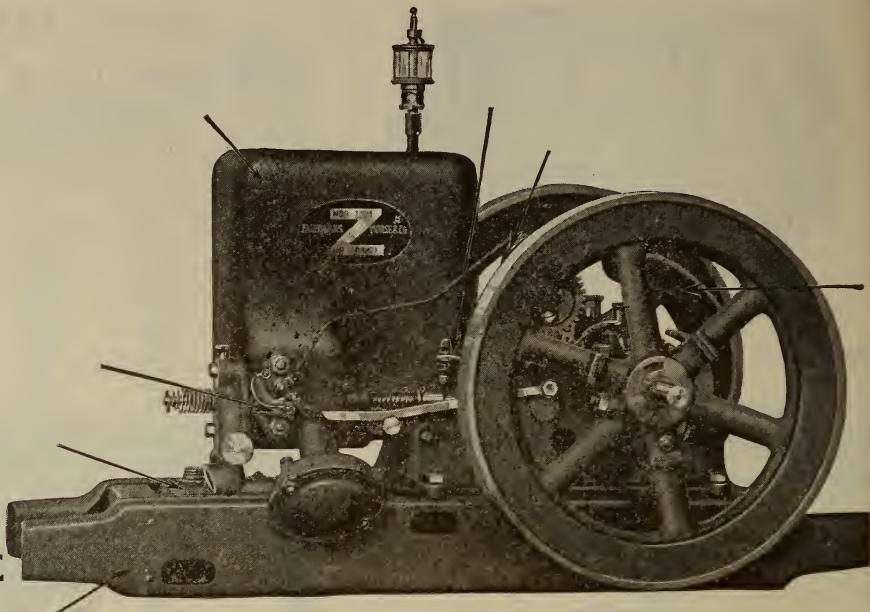
Grimm,—each 3 1-2c;	per 100,	\$3.00
Canco,—each 3c;	per 100,	2.50

SAP PAILS

Galvanized, heavy, 12 qt., per 100,	Prices on application
" 14 qt., per 100, }	
Vermont, 13 qt., heavy tin, per 100,	\$27.00
Vermont Bucket Covers, each,	.10
SYRUP CANS.—One gal., square, screw top each	15c;
per 100,	14.00



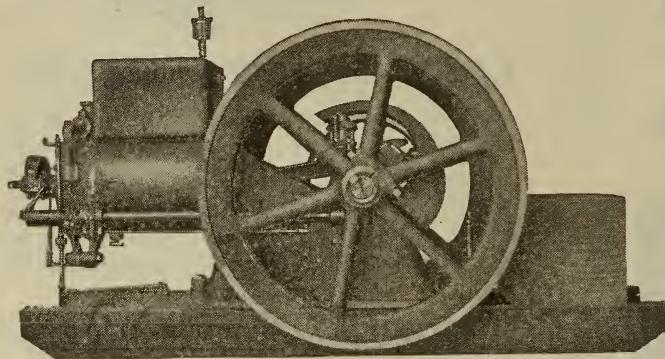
THE
NEW
TYPE
“Z”
FAIR-
BANKS-
MORSE
ENGINE



Economical, Simple, Substantial, Gun Barrel Cylinder Bore.—Complete with Built-in Magneto, more than rated power. Sizes are $1\frac{1}{2}$ H. P., 3 H. P. and 6 H. P., Prices on application.

TYPE “H” QUICK START KEROSENE ENGINES

Made in 1-2-4 and 6 Horse Power. Write or see us for special catalog.



Special Electric Engine and Electric Lighting Outfit. Made in various sizes for residences or farm lighting, or for small store, garage or manufacturing establishment. If in need of a lighting plant or power we will be glad to send an expert to confer with you.

WOOD FRAME SAWING MACHINE

Made of Hard Wood, will accommodate saws from 20 in. to 30 in. in diameter. Pulley is 5 inches in diameter with 6 inch crown face, Balance wheel weighs 95 lbs. The frame can be fitted with pole extension if specially ordered, at extra cost. We recommend using 4 in. 4 ply rubber belting, 10 foot centers, 22 feet belt.

Tilting Table Complete with 22 in. Saw, \$31.00

“ “ “ “ 24 “ “ 33.00

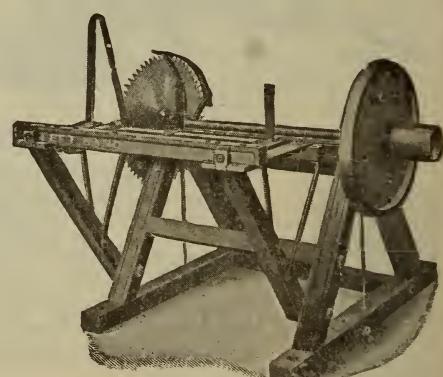
“ “ “ “ 26 “ “ 34.80

For Sliding Table add \$2.50. For Pole Saw add \$5.00.

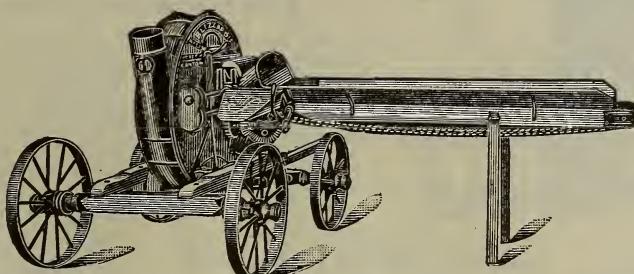
JACOBSON GASOLINE ENGINES

Built upon Honor by Engine Builders. You cannot go wrong in buying a Jacobson. Made in various styles and sizes for Gasolene or Kerosene. Beginning with the Junior Sturdy Jack (Gasolene). $1\frac{1}{2}$ H. P. and from this up to almost any horse power required. Don't buy power without seeing us.

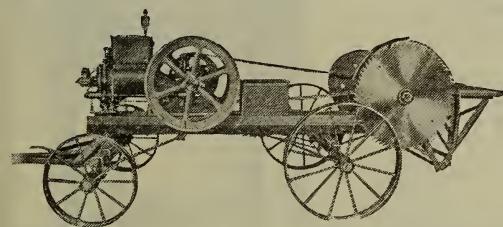
For residences or farm lighting, or for small store, garage or manufacturing establishment. If in need of a lighting plant or power we will be glad to send an expert to confer with you.



BLIZZARD ENSILAGE CUTTER AND BLOWER



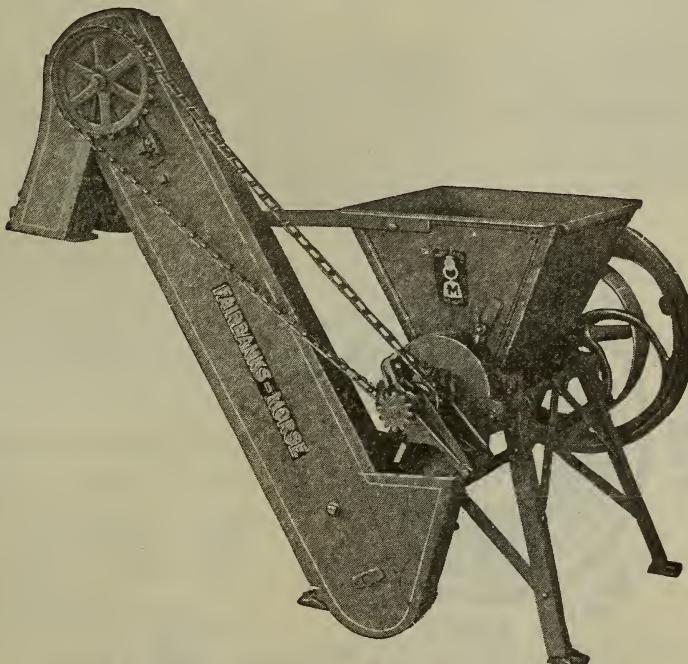
All the very latest improvements are embodied in this machine. They are built for endurance and to give satisfaction to the user. The construction is such that they are operated probably with as little power size for size as any cutter and blower made. One of the popular sizes for ordinary farm work is No. L. 11 requiring from 4 to 7 Horse Power, and the No. L. 13 requiring 7 to 10 Horse Power. Write for special cutter catalog.



ENGINE AND WOOD SAWING OUTFIT

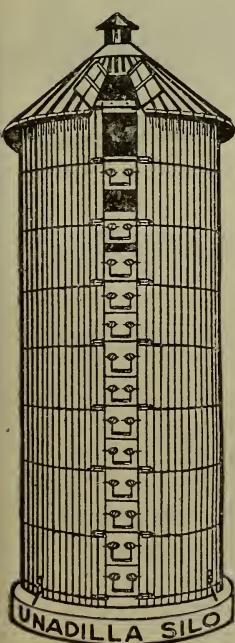
Prices on application

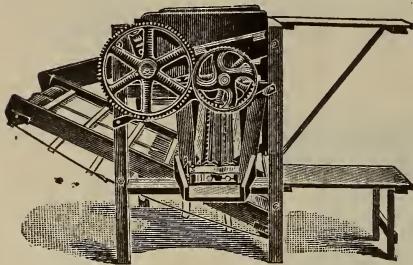
FAIRBANKS' MORSE FEED MILLS



THE UNADILLA SILOS

The use of the silo on the dairy farm has long since passed the experimental stage and is now considered a fixed necessity. We are offering you a SILO THAT IS UP TO DATE IN EVERY DETAIL OF MODERN SILO CONSTRUCTION, in sizes holding from 15 to 393 tons. They are made in White Pine, Oregon Fir, Spruce and Cypress. We want to figure with you on a Silo. Write or see us.

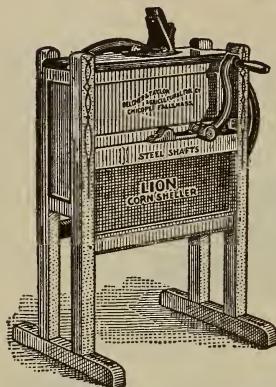




The Chicopee Corn Husker

A Corn Husker that leaves the stalks in shape to bind, something the farmer has been looking for. Power required for full capacity 5 to 6 H. P.—and will husk from 25 to 50 bushels per hour. Some of these machines are running with $2\frac{1}{2}$ horse power engine, with this power they husk from 15 to 25 bushels of corn per hour. "The Chicopee" is guaranteed to husk the corn and separate the ears from the stalks without material injury to the grains of corn. Price,

\$115.00

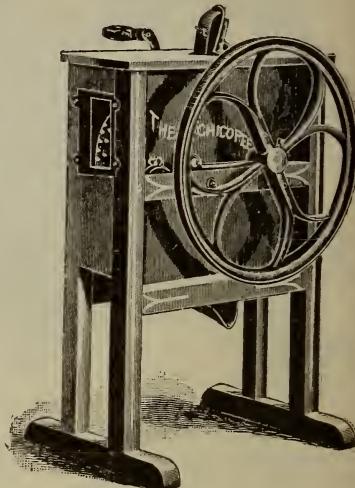


LION RIGHT HAND CORN SHELLER

A very simple and popular Sheller. There is only one size and that is with a separator. It is a

RIGHT HAND SHELLER
has a large, heavy balance wheel. The working parts are held firmly together by solid shaft boxes or bearings.

PRICE, \$13.00



THE CHICOPEE CORN SHELLER

Strong, well made, with separator and chaff sieve - - - \$10.50.

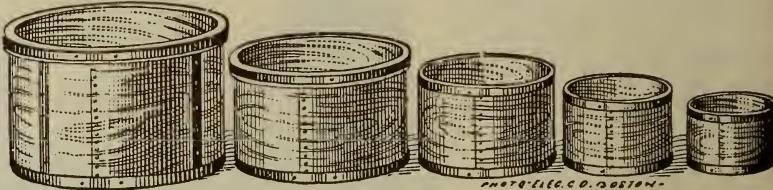
THE A SHELLER AND SEPARATOR

This is a wood frame Sheller, capable of doing good and rapid work. Strong and well made.

Price, \$9.50

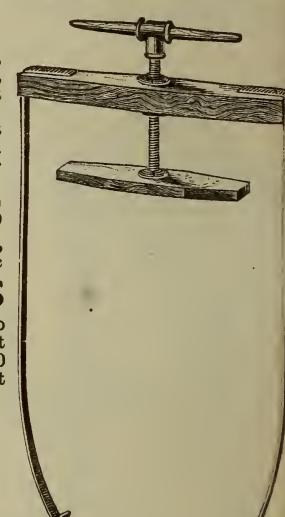
STEEL DRY MEASURE

2 qt. 30c, 4 qt. 40c,
8 qt. 60c, 16 qt. 75c.



BOSTON PATTERN TRUCKS

Sizes	Length Handles	Axle	Wheels Outside
0	48 in.	$\frac{3}{4}$ in.	\$3.90
1	52 "	$\frac{3}{4}$ in.	4.75
2	56 "	$\frac{1}{8}$ in.	6.00
3	58 in.	1 in.	8.25
4	68 "	$1\frac{1}{8}$ in.	\$10.50



BARREL HEADER

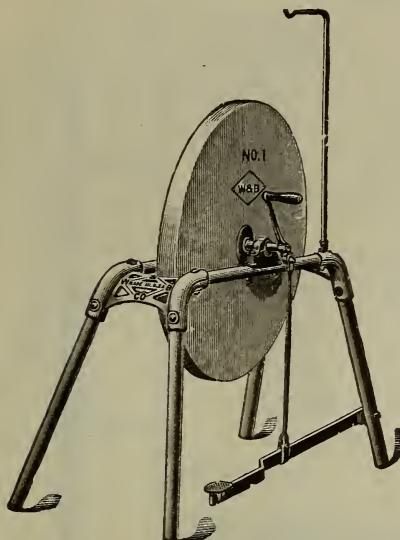
Iron Screw, heavy, \$1.75

Barrel Trucks with Wood Bars, extra, 50c.

Barrel Trucks with Steel Bars, extra, No. 1, \$1.00; No. 2, \$1.50; No. 3, \$2.00; No. 4, \$2.50.

These Trucks have bent Handles instead of sawed, and are in every way a first-class truck.

MOUNTED GRINDSTONES



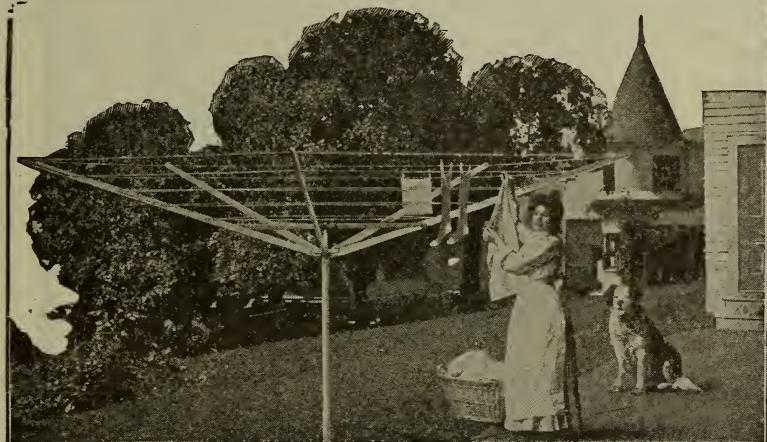
	Weight about	Price.
"Best," all Steel Frame.....	130 lbs.	\$8.00
Extra.....	100 lbs.	7.00
Wood Frame Grindstone.....		\$5.50
Family Grindstones.....		\$1.25 and \$1.50
Grindstones (plain), Nova Scotia, per lb.....		3½c
Huron.....		3c
Grindstone Fixtures, per set heavy.....		1.50
Medium.....		1.25
Royal Sickle and Tool Grinder.....		\$7.00

SCREEN DOORS

Plain, 3 inch stile, wire black, price complete with trimmings, \$1.00		
Light Finish, Fancy Pattern, 4 in. stile.....	\$1.25-\$1.50	
Our Custom Made.....		\$2.50

WINDOW SCREENS

The "Leader," Hardwood Finish, Height 18 in. Adjusts 20 in to 33 in.	25c
" " " " 24 "	30c
" " " " 24 "	35c
" " " " 28 "	40c
Sherwood Steel, 18 inch, 22 in. to 33 in., -	35c
" " 24 " 22 in. to 33 in., -	40c
" " 24 " 24 in. to 37 in., -	45c
WIRE SCREEN CLOTH BLACK—Per sq. ft.,	3c
BRONZE SCREEN CLOTH—Per sq. ft.,	12c



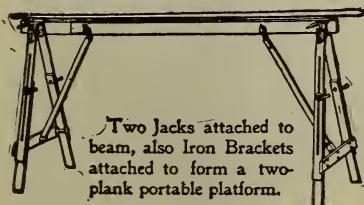
REVOLVING CLOTHES DRYER

Very convenient, easily folded, can be removed from stand, and placed under cover if desired. Price 110 ft., \$4.00; 150 ft., \$4.50.

CLOTHESLINE POSTS

(Steel Galvanized), 10 ft., - - - - - \$2.50

ADJUSTABLE SCAFFOLDING JACKS



Two Jacks attached to beam, also Iron Brackets attached to form a two-plank portable platform.

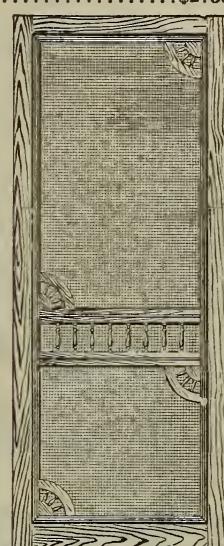


Two Adjustable Scaf folding Jacks Folded.

Practical for all interior scaffolding, mill work, metal ceiling, plastering, decorating, etc.

Light, Rigid and Quickly Adjusted.

Prices on Application



HILL'S CLOTHES DRYER

No. 1.....	\$6.70
No. 2.....	\$7.30
No. 3.....	\$8.50

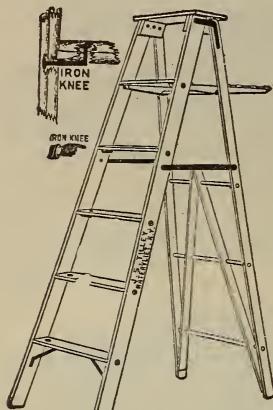
LAWN SWING.—Heavy wood frame, two passenger, \$5.50, four passenger, \$8.00

FLOWERING BULBS—

In their Season

LILIES, TULIPS, NARCISSUS, FREESIAS,
HYACINTHS, CROCUS, JONQUILS, ETC.

We import direct from Holland. They are fine, strong bulbs and will produce good bloom. We carry Cowee's Gladioli bulbs in their season. We procure for you at short notice any flowering bulbs wanted.



PARIS STEP LADDERS	5 ft.....	\$2.00
(Very strong)	6 ft.....	2.25
	8 ft.....	2.75
	10 ft.....	3.25
GEM STEP LADDERS	3 ft.....	.75
" "	4 ft.....	\$1.00
" "	5 ft.....	1.20
" "	6 ft.....	1.50
" "	8 ft.....	2.00

COMMON LADDERS.—Tilley's best quality.
Stock length, 10, 12, 14, 16, 18, 20, 24 and 26 ft.
Price per ft., 13c, 14c and 15c.

LADDER HOOKS.—Each 75c

BEST EXTENSION LADDERS.—Sure lock, safest
extension made, price 24 ft. to 36 ft. inclusive,
25c per ft.; 40 ft. to 44 ft. inclusive, 30c per ft.,
48 ft. to 52 ft. inclusive, 35c per ft.

ACME STEEL LADDER.—For use as a ladder or
as a fire escape. Price per section, 35c
Hooks for roof, each, 35c

FOLDING CLOTHES FRAMES, 40 ft. capacity 75c

WIRE FLY KILLERS.—Price 10c and 15c

CAN OPENERS.—Price 10c and 25c

WINDOW BRUSHES.—All Bristles (pitched in) 50c
" " " " (wired in) 75c
" " " " Large (wired in) 1.00
Handles, extra 20c to 25c

COMMON ASH SIFTER.

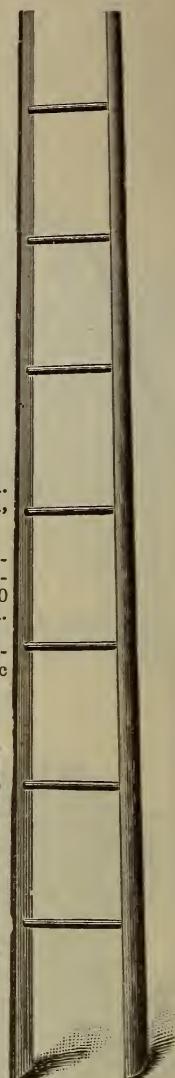
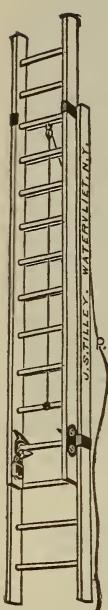
—Large size, galvanized,
25c. and 40c

THE HUSTLER ASH

SIFTER.—Fits a barrel
or can, Price without can \$4.50

CENTRAL ASH SIFTER. 75c

CENTRAL COVER.—Extra 75c



Garbage Pail

45c to 75c

2.75 to 3.50

65c

Common Ladder

25c and 50c

15c

COAL HODS.—Galvanized 45c to 75c
GALVANIZED ASH CANS. 2.75 to 3.50
" " " COVERS, 65c
GALVANIZED GARBAGE PAILS, With covers, 85c, \$1.00 1.25 and 1.50

Extension Ladder

METAL POLISH.—Per can 45c

SCRUB BRUSHES.—With handle, 20c; without 15c

DAIRY QUEEN OR DUCK SCRUB. 20c

HOUSE BROOM.—Fine No. 6, 65c; No. 7, 70c. **WHISK BROOMS.**—Prices 20c, 25c, 35c

WHITE WASH BRUSHES.— 35c to \$5.00

PAINT AND VARNISH BRUSHES.—We carry the popular kinds and sizes in both round and flat, paint and varnish.



WHITE WASH LIME.—

Selected lumps per lb. 2c

ALABASTINE.—A splendid

wall coating, much bet-

ter than Kalsomine, etc.

—ready for use by add-

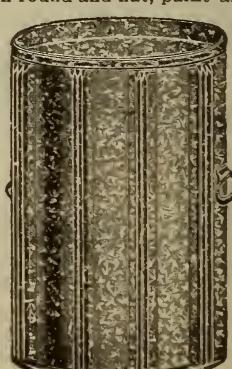
ing cold water—many

shades, per pkg. (5 lbs.)

65c

SOAP STONE FOOT

WARMERS 50c to 85c



Ash Can.



Majestic Washing Machine

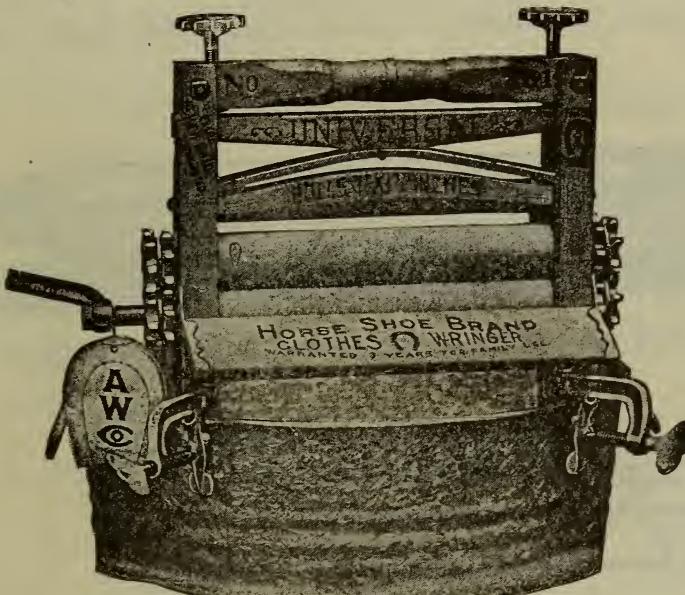
Operated with crank and balance wheel, a splendid machine. Probably the best hand power washer.
Price \$8.00



Yost Motor Washer

Operated by water power by connecting with faucet.
Price \$15.00

Wash Boards,
50c, 65c, 85c.



OBLONG CLOTHES BASKET.—4 sizes, 75c, 85c, \$1.00 and \$1.10
" " " " Hand made, \$1.75

CLOTHES LINES.—Cotton, 50 ft., 25c; 75 ft., 35c; 100 ft., 40c.

CLOTHES LINES.—Wire coil, 100 ft. 40c

CLOTHES LINE PULLEYS—. 10c and 15c

CLOTHES PINS—Per Dozen. 3c

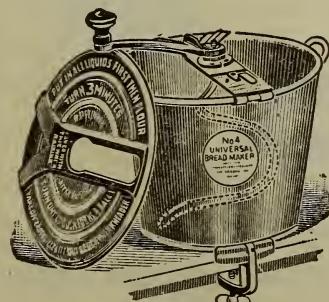
MOP STICKS.—Each. 20c and 35c

MOPS.—Cotton. 20c, 25c and 35c

LEVER MOP WRINGER.—The best yet, family size, \$1.50 and \$2.00.

LEVER MOP WRINGER.—Hotel size. \$2.50

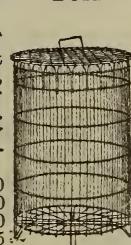
RUBBISH OR
PAPER
BURNER.



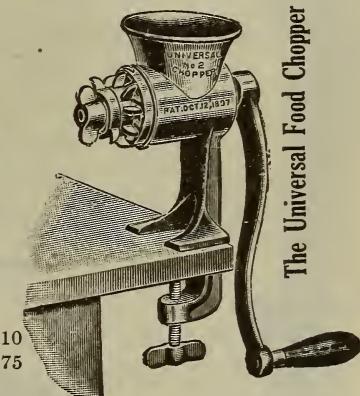
UNIVERSAL BREAD MIXER.—
Regular size. 2.50
Large size. 3.50



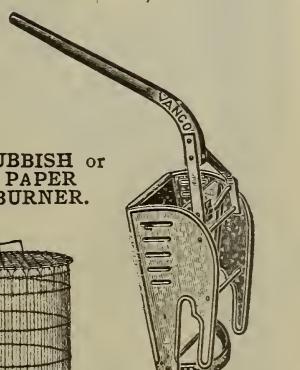
ECONOMY FRUIT JAR.—The best yet, no rubber rings, self-sealing, air tight, large at top. Keeps perfectly meats, fish, vegetables or fruit.
Pints Per Doz. 1.10
Quarts " 1.20
Two Qts. " 1.50
Covers " " .25
Lifters Each .10



1—12x18 in., \$1.50
2—15x22 " 1.75
3—18x26 " 2.25
4—21x31 " 3.25

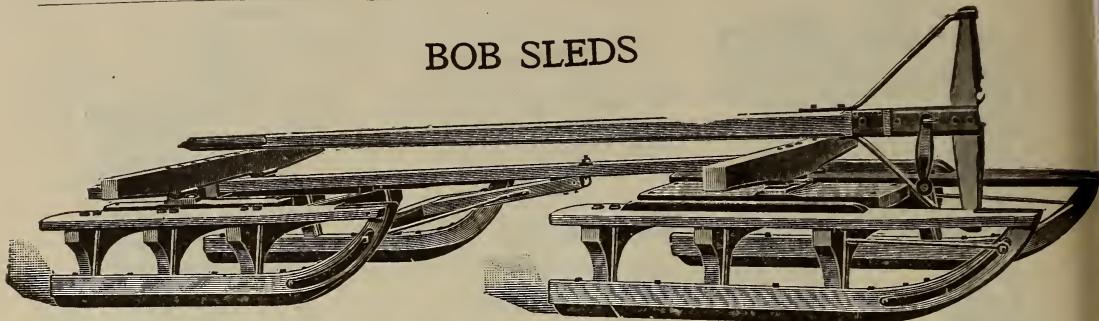


Price No. 1, \$1.50
" " 2, 1.75



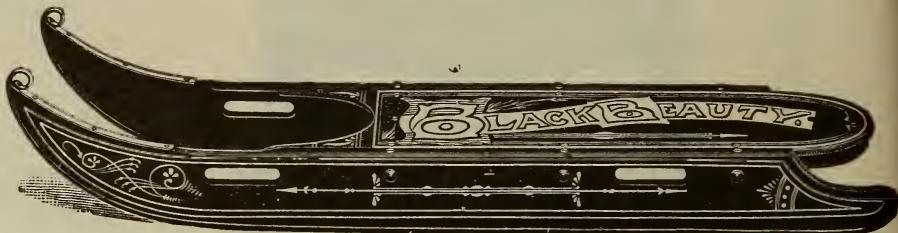
The Universal Food Chopper

BOB SLEDS

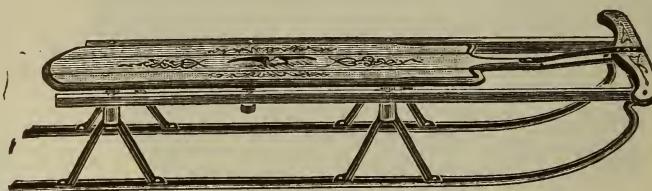


We carry these in "three knee" and "one knee" logging sleds, for farm, team, and logging work. They are high grade, long on the run, and the prices are very low. We have added to the lines, an Eastern made white oak logging bob, costing more money, but worth it. You should see them.

Paris Manufacturing Co.'s SLEDS in Frames, Clippers, Baby Sleighs and Double Runners



The Genuine FLEXIBLE FLYER and the FIREFLY SLEDS in all styles and prices.



WAGONS

Fine line of Children's Wagons, from \$1.50 to \$8.00.



SKATES

We carry the popular Barney & Berry Skates in all Sizes and Prices

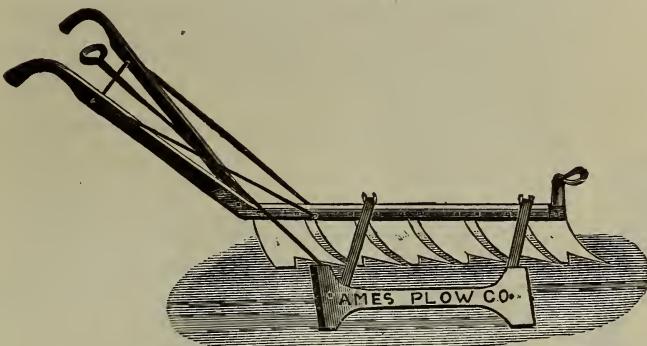
POLO AND HOCKEY STICKS, 5c

to 50c

NORWEGIAN SKEES.—Complete with steering pole, \$1.75 to \$8.00.

TOBOGGANS.—In the popular sizes, from \$3.00 up.

THE ICE KING



ICE PLOW

8 in. Plow with 22 in. Swing Guide	\$32.00
10 in. Plow with 22 in. Swing Guide	\$38.00
Adjustable Swing Guide for above to order, extra.	
12 in. Plow with Adjustable Swing Guide cuts 14 in., 16 in., 18 in., 20 in. and 22 in. wide	\$46.00

ICE TOOLS

COMPLETE ICE TOOL
CATALOG SENT ON
APPLICATION.

PULLEY BLOCKS.—Large
assortment in stock.

ICE HOOKS.—	
4 and 4 1-2 ft., each	\$1.10
5 feet, each	1.15

6 feet, each.....	\$1.20
8 " "	1.35
10 " "	1.60



RING CHISELS, each,	\$3.00
BREAKING BARS, each,	4.00
SPLITTING FORK, 2-tined, each,	5.50
FORK BAR, 3-tined, each,	5.50
NEEDLE BAR,	3.00
ICE CREEPERS.—Per pair,	30c

ICE TONGS.—Boston Pat-	
tern, swell handle.	
No. 0, opens 13 in.	\$1.35
No. 1, " 14½ in.	1.50
No. 2, " 16½ in.	1.60
No. 3, " 24 in.	1.70
Drag or stowing, long handle,	\$2.50
HOISTING TONGS.—	
Adjustable Claw,	\$6.00
Solid Claw points,	\$5.00



"Empire" Double Acting Force and Lift Pumps—Adapted for shallow or deep wells. Cylinder is Brass Lined. Takes 1¼ in. suction pipe.
No. 1362-4—as arranged for wells up to 26 ft. \$12.00
As arranged for deeper wells, \$13.00
Above prices do not include pipe below the upper valve.

RUBBER BUCKET CHAIN PUMP

A POPULAR LOW-PRICED PUMP.

Curb with heavy castings.....	\$3.75
Tubing, best spruce, per foot.....	.15
Chain, galvanized, per lb.....	.15
Buckets, "Crosby".....	.15
Buckets, "Boston".....	.15
Rub Irons.....	.10

We will be pleased to figure the cost of

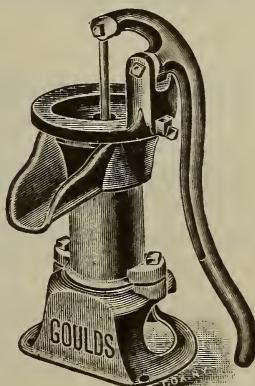
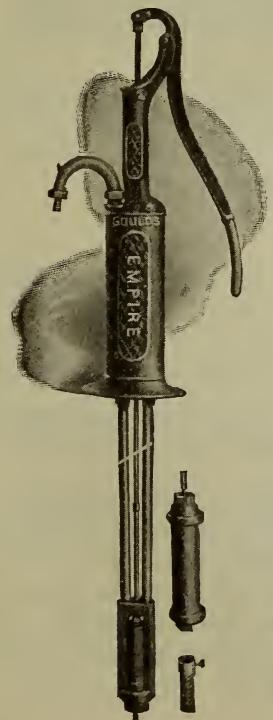
Pump complete if you
give us depth of well.

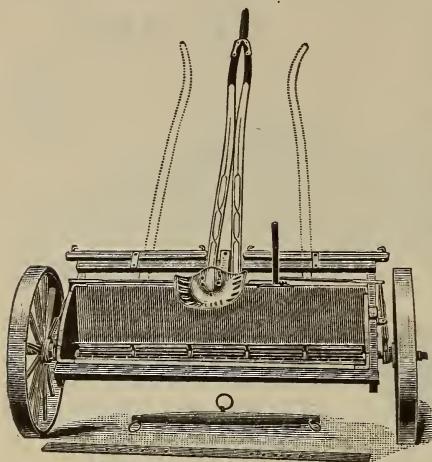
Pitcher Pumps, No.
1, \$2.50; No. 2, \$2.75;
No. 3, \$3.00.

Pitcher Pump, No. R-416 \$4.00.

Pump Leathers, (Plunger) 15c and 20c.
" " (Valve) 20c and 25c.

Well Points for driving, each \$1.75.





STEVENS' FERTILIZER SOWER.—For sowing fertilizer either broadcast or in drills by horse power. 5 ft. 10 in., \$50.00; 8 ft. 3 in., \$55.00; 10 ft., \$60.00. Special cut off attachment, extra, \$3.50.

STEVENS' HAND FERTILIZER SOWER.—For sowing fertilizer broadcast on lawns, etc. Hopper is 34 in. long. Price \$13.00

Perfection Drill and Fertilizer Sower

This machine will form a drill from 3 to 10 inches deep, and will drop into the drill any fertilizer at the rate of 100 lbs. to 3,000 lbs., to the acre. Price \$20.00.



QUINNIPAC FERTILIZERS

THE GREAT CROP PRODUCERS

AVAILABLE PLANT FOOD.—Is what the farmer is looking for when he buys commercial fertilizers.

That is just why the **QUINNIPAC GOODS** stand so well.

They contain this plant food in the available form and in the right proportions to secure good results.

The war conditions are seriously affecting the fertilizer and chemical market. Prices given are those prevailing at time of going to press, and are subject to change without notice.

PRINCIPAL BRANDS

QUINNIPAC MARKET GARDEN MANURE.—Special attention is called to this brand as being as well formulated and as well balanced as any fertilizer on the market up to date. Per 100 lb. bag, \$2.50. Per ton, \$47.50.

QUINNIPAC CORN MANURE.—For field, fodder or sweet corn, also used for grain. Per 100 lb. bag, \$ 2.00. Per ton \$36.00.

QUINNIPAC POTATO PHOSPHATE.—As a potato grower it has won and maintained a high standing and an enviable reputation. Per 100 lb. bag, \$2.00, Per ton, \$36.00.

QUINNIPAC GRASS AND LAWN FERTILIZER.—A top dressing for lawns, meadows and pastures. It acts quickly and produces a luxuriant growth of grass. It pays to use it. Per 50 lb. bag, \$1.30. Per 100 lb. bag, \$2.50. Per ton, \$47.00.

QUINNIPAC PURE BONE MEAL.—Made from absolutely pure bones, finely ground and in the best mechanical condition. Per 100 lb. bag, \$2.50. Per ton, \$48.00.

CEREAL AND ROOT.—An excellant fertilizer for the vegetable Garden as well as for Corn and Potatoes. Per 50 lb. bag, \$1.10, Per 100 lb. bag, \$2.10 Per ton \$39.00.



The Mapes Manures

For All Soils
and for all Crops

BASIS:

Pure Bone
Made Soluble
No Rock Used

THE WAR CONDITIONS ARE SERIOUSLY AFFECTING THE FERTILIZER AND CHEMICAL MARKET. PRICES GIVEN ARE THOSE PREVAILING AT TIME OF GOING TO PRESS, AND ARE SUBJECT TO CHANGE WITHOUT NOTICE.

PRINCIPAL BRANDS

MAPES POTATO MANURE. 1916 Brand.—For Potatoes, Early Vegetables, Fruit, Sweet Corn, etc., Per 100 lb. bag, \$2.60; Per ton, \$50.00.

MAPES CORN MANURE. 1916 Brand.—Also for Sweet Corn, Fodder Corn, Hungarian Grass, Millet and Seeding Down to Grass. Per 100 lb. bag, \$2.30. Per ton, \$44.00.

MAPES 1917 SPECIAL.—For use in Potato Growing, Truck and all farm crops where Potash is adequate for present needs. Per 100 lb. bag, \$2.10. Per ton, \$40.00

We can supply you any other brand of Mapes Fertilizers upon application, and will be pleased to quote you prices on same, as well as analysis on all Mapes Brands, which our space compels us to omit here.

We can recommend the above fertilizers as being derived from the best sources of plant food, and we are confident their use will prove this, and the results will be satisfactory and pleasing to you.

We Have the Agency for The Rogers Mfg. Co.'s Fertilizers, and Will be Pleased to Give You Brands and Prices on Application.

AGRICULTURAL CHEMICALS and FERTILIZING MATERIALS

PRICES ON APPLICATION WHERE NOT GIVEN.

Owing to war conditions we are unable to obtain or offer any Potash except such as is contained in our regular commercial mixed fertilizer and in the wood ashes. Just as we go to press notice comes that shipments will cease for the present at least, on Nitrate of soda and probably on some of the other fertilizing Chemicals.

MURIATE OF POTASH.—80 to 85 per cent muriate of potash. Not obtainable.

DOUBLE SULPHATE OF POTASH AND MAGNESIA.—48 to 52 per cent sulphate of potash; 35 to 40 per cent sulphate of magnesia and not over 2 1-2 per cent chlorine; 26 to 28 per cent actual potash. Not obtainable.

HIGH GRADE SULPHATE OF POTASH.—90 to 95 per cent sulphate of potash; 50 to 52 per cent actual potash. Not obtainable.

KAINIT.—23 to 25 per cent sulphate and muriate of potash; 12 to 13 per cent actual potash. Not obtainable.

SULPHATE OF MAGNESIA (Keiserite).—50 to 55 per cent sulphate magnesia.

NITRATE OF SODA.—94 to 96 per cent purity, Shipments discontinued.

SULPHATE OF AMMONIA.—24 3-4 to 25 1-4 per cent ammonia.

DRIED BLOOD.—12 to 14 per cent ammonia.

“ “ 10 to 12 “ “

“ “ —8 to 10 “ “

DISSOLVED BONE BLACK.—15 to 18 per cent soluble and available phosphoric acid
“ “ “ —13 to 15 “ “ “ “ “ “

PLAIN SUPERPHOSPHATE.—(acid phosphate)—per 100 lb. bag, \$1.50; per ton, \$26.00.

FINE GROUND TANKAGE—6 to 7 per cent ammonia; 30 to 35 per cent bone phosphate

“ “ “ —7 to 8 “ “ 25 to 30 “ “ “

“ “ “ —8 to 9 “ “ 20 to 25 “ “ “

“ “ “ —9 to 10 “ “ 15 to 20 “ “ “

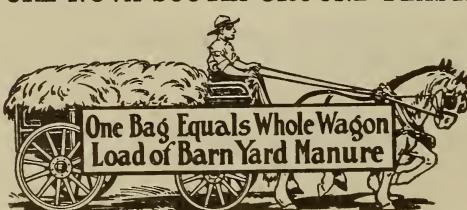
ASHES.—Canada.—Unleached. Per 100 lb. bag, \$1.35; Per ton, \$25.00. Subject to change.

DRY GROUND FISH.

BONE.—“Quinnipiac Bone Meal”—per cwt., \$2.50. “Raw Bone Flour”—per cwt., \$3.00.

“Raw Bone Meal”—per cwt., \$3.00. Cracked Bone “Oatmeal”—per cwt., \$3.00.

PURE NOVA SCOTIA GROUND PLASTER.—Per 100 lb. bag, 75c.



PULVERIZED SHEEP MANURE.—5 lb. pkg., 30c; per 25 lb. bag, 85c; 50 lb. bag, \$1.35; 100 lb. bag, \$2.25. Per ton, \$38.00.

CLAY'S FERTILIZER.—Imported. \$7.50 per bag.

GUANO.—Peruvian.

SCOTCH SOOT.—Imported, 100 lb. bag, \$3.75.

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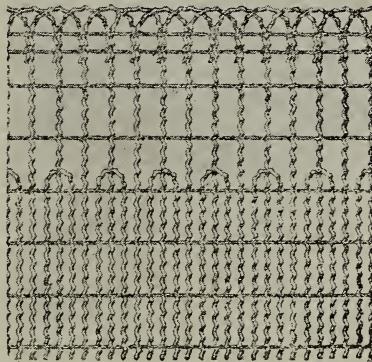
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LAWN FENCING



A very Neat and Attractive Lawn Fencing, Galvanized,
well made and durable

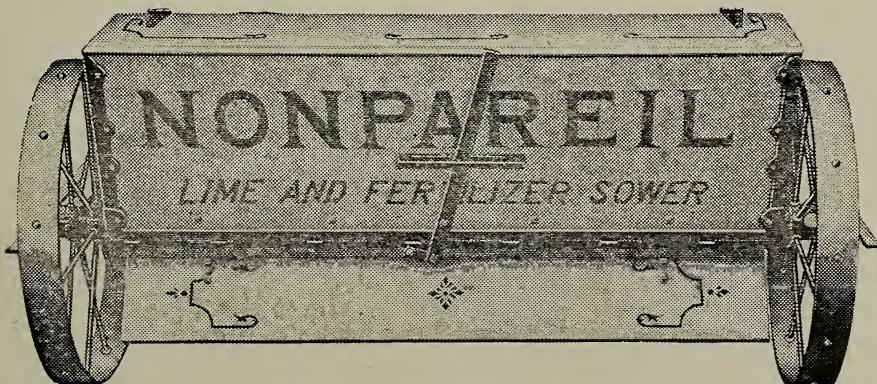
No. 600—Double Fabric, as shown, 42 in. high, per lineal ft. 22c
" 100—Single " 36 " " " 16c
" 100— " 42 " " " 17c

We are Agents for the

Louden Barn Equipment

If you intend building or remodeling we will be glad
to send special equipment man to go over the
LOUDEN plans with you

The Nonpareil Broadcast Lime and Fertilizer Sower



Hopper holds 10 bushels, sows 8 feet wide, will dis-
tribute from 100 lbs. to 5,000 lbs. per acre, weight 351 lbs.

Price Complete, \$45.00

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